

# **General topics**

## ***for research & study***

*more specific topics & issues are in the next section*



## **The Environment**

Environmental resources  
Resource management  
Ecosystem value  
Preserving natural habitats  
Paradigms about the environment  
Environmental goals & protection  
Pollution vs health  
Chemical toxins into air & water  
Radiation into environments

## **Air pollution**

Air quality  
Health effects from air pollution  
Atmospheric effects of pollution  
Climate & weather effects  
Impacts from carbon emissions  
Ozone pollution  
Causes of air pollution  
Types of air pollutants  
Sources of air pollution  
Worse air polluters  
Indoor air pollution  
Radiation sources & effects

## **Water pollution**

Polluting the water quality  
Causes of water pollution  
Types of water pollutants  
Sources of water pollution  
Freshwater pollutants  
Ocean pollutants  
Mining & drilling pollution  
Micro-plastics pollution  
Toxic leakages, spillage & runoff  
Worse toxic chemicals  
Worse toxic sources  
Worse toxic polluters

## **Water management**

Governing clean water  
Freshwater management  
Protecting wetlands  
Rivers & streams management  
Protecting rivers of world  
Water conservation  
Wastewater management  
Protections against pollution  
Indigenous water stewardship

## **Ecosystems & biodiversity**

Ecosystems & biodiversity  
Kinds of biodiversity to protect  
Eco-regional issues of biodiversity  
Threats & losses of biodiversity  
Specific problems for biodiversity  
Causes of habitat loss  
Landscape & ecosystem alteration

## **Conservation**

Protecting & restoring habitats  
Eco conservation policies  
Biodiversity conservation  
Protecting unique bio-areas  
Plant & crop conservation  
Seed conservation

## **Wildlife**

Endangered & threatened wildlife  
World wildlife protections  
Big wildlife sport hunting  
Animal cruelty killing & culling  
Sustenance wildlife hunting  
Hunting & wildlife conservation  
Wildlife areas & refuges  
Regional wildlife restoration

## **Forests**

Benefits of forests  
Uses of forests  
Threats to forests  
Deforestation  
Reasons for deforestation  
Agriculture & forests  
Sustainable forestry  
Responsible forest uses  
Economics of reforestation  
Global forest protection

## **Oceans**

Ocean pollution  
Ocean acidification  
Ocean ecosystems & habitat  
International ocean protections  
Local marine management

## **Ocean fishing**

Harmful fishing practices  
Open-net fishing  
Overfishing the oceans  
Modern history of overfishing  
Sustainable fishing  
Fishery governance

## **Climate change**

Global warming & climate change  
Greenhouse causes  
Greenhouse gases  
CO2 emissions  
Effects of climate change  
Agriculture & climate change  
Climate change & ecosystems  
Ocean & coastal indicators  
Climate change mitigation  
Ways to reduce carbon emissions  
Political & educational solutions  
International agreements

## **Waste & recycling**

Industrial & consumer waste  
Product consuming societies  
Sustainable consumption  
Solutions for reducing waste  
Advances in recycling  
Recyclable materials & products  
Recycling metals & plastics  
Recycling old technologies  
Recycling household wastes  
Recycling industrial wastes  
Disposing non-recyclable wastes

## **Energy production & use**

Energy uses  
Electrical energy  
Energies for fuel  
Kinds of energy production  
Effects of energy production  
Energy use & the environment  
Ways to reduce energy use  
Energy economics & politics

## **Non-renewable energies**

Debates against non-renewables  
What & where is natural gas  
Natural gas issues  
Fracking for natural gas  
Water issues with fracking  
Sources of petroleum  
Petroleum derivatives & uses  
Reasons to move on from oil  
Pollution from oil spills  
Oil drilling & transport problems  
Oil & money politics  
Coal energy & problems  
Impacts of coal mining  
Mining minerals & metals  
Mining & depleting rare minerals

## **Renewable energies**

Benefits of renewable energies  
Renewable energy economics  
Nuclear energy pros & cons  
Nuclear radiation problems  
Nuclear waste storage  
Nuclear energy dangers  
Solar energy  
Solar photovoltaic electricity  
Economics of solar energy  
Large-scale solar systems  
Small-scale solar systems  
Solar heating  
Wind energy  
Hydropower  
Geothermal energy  
Ocean-marine energy  
New scientific technologies  
Biomass energy  
Types of biomass  
Bio-gas  
Bio-fuels  
Bio fuel debates

## **New technologies in energy**

New solutions for energy use  
Smart green building  
Home & building efficiency  
New energy technologies  
Areas of emerging technologies  
Cogeneration of heat & power  
Electric & hybrid vehicles  
Reasons to have clean cars  
Hydrogen fuel & sources  
Nuclear fusion & cold fusion

## **Environmental economics**

Environmental economic goals  
Environmental & ecosystem value  
Environmental appreciation value  
Economic value of environments  
Sustainable green economics  
Building a green economics  
Energy saving & energy reduction  
Lowering carbon emissions  
Protecting world ecosystems  
Protecting air & water  
Environmental protection laws  
Sustainable life on Earth  
Sustainable communities

### **Human needs**

Clean air & water  
Food security & health  
Security & protection  
Human rights & freedoms

### **Global water**

Water scarcity  
Water access  
Water as a resource  
Water for food security  
World water uses  
Water for agricultural use  
Water politics & economics  
International water conflicts

### **Water quality**

Water & health  
Safe drinking water  
Assessing water quality  
Stopping water pollution  
Human waste disposal  
Water sanitation & hygiene  
Water education

### **Hunger & food**

World hunger  
Malnutrition  
World nutrition needs  
Droughts & famines  
Emergency food aid

### **Food security**

Building food security  
Regional sustainable crops  
Cash crops or subsistence crops?  
Domestic animals & food security  
Community food systems  
Urban food supply  
Government food policies  
Food emergency plans

### **Healthy foods**

Food safety & quality  
Labeling food ingredients  
What are healthy foods  
What is a healthy diet  
What is an unhealthy diet  
Cultural foods & dietary habits

## **Agricultural Development**

Agricultural Development  
Regional farming problems  
Agricultural markets & trade  
Smarter agriculture practices  
Crops for food security  
Seeds for food security  
Newest science in AG

## **Industrial agriculture**

Industrial agricultural traits  
Industrial agricultural issues  
Fertilizer composition & use  
Fertilizers - positives & negatives  
Pesticide composition & use  
Pesticides - positives & negatives  
GMO crops - positives & negatives

## **Ecological Agriculture**

Conservation agriculture  
Organic farming  
How-to organic gardening  
Organic soil  
Ecological fertilizers  
Ecological pest-control

## **Small Farms**

Small farms development  
Ways to support local farms  
Kinds of small-land ownership  
Traditional family small farms  
Land cooperatives & collectives

## **Animal farming**

Emissions from livestock  
Meat production  
Dairy farming  
Chicken & egg farming  
Ethical treatment of animals  
Better ways of animal farming  
Non-meat diets

## **Ocean fishing**

Sustainable ocean fishing  
Economics of ocean fishing  
Fish farming – aquaculture  
Fish farming concerns  
Seafood health concerns  
Sustainable healthy seafood

## **Poverty**

Poverty in the world  
Aspects of poverty  
Poverty relationships  
Economic factors of poverty  
Poverty solutions

## **Population**

Population issues  
Population growth  
Regional population problems  
Over-population solutions

## **Global health**

Factors for good health  
Human waste disposal  
Health problems  
Infections & diseases  
Alcohol & drug abuse  
Mental health problems  
Mothers & children health  
Health care providers  
Healthy & safe products  
Natural healing remedies  
Cultural healing methods  
New technologies in health

## **Economic development**

Development theories & policies  
Measuring development: GDP?  
Reasons for development inequity  
Problems in development  
Problems of debt  
Global economic aid  
Economics for ending poverty  
Development in poorer regions  
Sustainable rural development  
Agriculture to end poverty  
UN goals for global development  
Financing economic development  
Global financing institutions  
Critiques of financing institutions

## **Emergencies**

Disaster emergency response  
Disaster preparation plans  
Natural disasters  
Agricultural disasters  
Conflict disasters  
Radiation disasters  
Environmental disasters  
Infectious disease epidemics



## **Economics**

Kinds of economics  
Economic theories  
Market economics  
Macro-economic decisions

## **Critiques of pure market**

Ideals of market capitalism  
Market competition problems  
Wealth increasing wealth  
Market insider trading  
Corporate influence in politics

## **Progressive economics**

Fair free-market economics  
Economics with compassion  
Basic government support  
Public & consumer advocacy  
Government involving economics  
Incentives for public needs  
Public resources use tax  
Private & public works competing  
Banking & finance reforms  
Community banking & finance  
Decentralizing wealth  
Increasing spending capacities

## **Globalization**

Kinds of globalization  
Effects of globalization  
Pros & cons of globalization  
Globalization & inequality  
Globalization & labor mobility  
Effects of global communication

## **Trade**

Exports & imports  
Government subsidies for exports  
Tariffs & tariff retaliations  
International trade disagreements  
International trade agreements  
Debates on trade agreements  
International cooperation & aid

## **Free & fair trade**

Protectionism or free trade?  
What is free trade: principles  
Critiques of free trade  
Community or corporate benefit?  
What is fair trade: principles  
Fair trade issues & challenges  
Rights of communities & worker  
Collective bargaining for labor

### **Armed conflicts**

Kinds of conflict & war  
Conflict areas & issues  
Costs of armed conflicts  
Recovering from war  
Social & psychological effects  
Diplomatic interventions  
Humanitarian interventions

### **Weapons of war**

Militaries & spending  
International arms trade  
Weapons used in wars  
Small arms  
Nuclear weapons  
Nuclear disarmament

### **Ethics of war & violence**

Questioning war & violence  
Ideas of a 'just' or 'holy' war  
Assaults on human rights  
Atrocities & genocide  
Detentions & disappearances  
Questioning the ethics of torture  
Questioning terrorism ethics  
Doctrines against war

### **Peace & security**

Peace & security challenges  
International humanitarian law  
Security in post-conflict areas  
Building national security  
Peacekeeping & peacebuilding  
Peacebuilding strategies  
Women in peace & security

### **Government & governing**

What is a good government  
Philosophies on governing  
Principles of democracy  
Promoting democracies  
International relations

### **Challenges in governing**

Challenges of emerging nations  
Challenges in democracy building  
Economic development  
Government corruption  
Individual & social rights  
Social peace & conflict resolution  
Domestic & gang violence  
Transnational organized crime  
Cyber crime & information theft

## **Human rights**

What are human rights  
Various issues in human rights  
Issues involving discrimination  
National constitutional rights  
UN Declaration of human rights  
Monitoring of human rights

## **Basic rights**

Right to food & water  
Right to health care  
Right to education  
Right to opportunities  
Right to fairness & justice  
Right to protection & security  
Economic & cultural rights

## **Human rights abuses**

Political imprisonment  
Human trafficking  
Labor exploitation  
Children & labor  
Girl injustices & dangers  
Opportunity discrimination  
Questionable religious traditions  
Human abuses involving violence

## **Women rights**

Systemic gender bias  
Women in government  
Women in business  
Women & safety  
Ending violence against women

## **Freedoms & rights**

Equal rights for all people  
Freedom of belief & religion  
Freedom of choice & diversity  
Freedom of speech & expression  
Freedom of debate & opinion  
Rights of assembly & petition

## **Debates on freedoms**

Gov surveillance & spying  
Privacy vs national security  
Personal data collection  
Privacy & social media  
Intentional disinformation  
Internet & media censorship  
Questionable freedoms  
Debates on what is legal  
Debates on what is moral  
Gun violence & gun control

# **Specific topics**

## ***for research & writing***

*- expanded from the General Topics -*



## **Environment**

### **Environment - general topics**

- Environmental resources
- Resource management
- Ecosystem value
- Preserving natural habitats
- Paradigms on the environment
- Environmental goals & protection
- Pollution vs health
- Chemical toxins into air & water
- Radiation into environments

### **Environmental issues**

- Ecosystem degradation
- Short-term vs long-term thinking
- Pollution vs health
- Air pollution vs clean air
- Water pollution vs water quality
- Water management
- Ocean pollution & protection laws
- Land & soil pollution
- Valuing & protecting resources
- Valuing biodiversity
- Valuing beauty
- Protecting wildlife
- Environment vs development
- Global warming & climate change
- Low-carbon economics
- Environmentally safe energy

### **Pollution**

- Water Pollution
- Air pollution
- Water & air quality
- Land & soil pollution
- Radiation pollution

### **Environmental goals**

- Sustainable ecologies
- Bio-diversity preservation
- Clean water, air, and land
- Healthy oceans
- Climate stability
- Renewable/alternative energies
- Environment first
- Earth sustainable economy

### **Environmental resources**

- Tragedy of the commons
- History of environmental abuses
- History of environmental disasters
- History of resource grabbing

### **Protecting the environment**

- Protecting ecosystems
- Protecting habitats
- Protecting biodiversity
- Biodiversity of seeds
- Wildlife refuge & conservation
- Legal protections
- Environmental economics
- Environmental political activism

## **Air pollution**

### **Air pollution issues**

- Air pollution problems
- Air pollution & climate change
- Air pollution & health problems
- Air polluted places
- Trans-national air pollution
- Air pollutants
- Air pollution & ozone
- Air pollution solutions
- Air regulation economics
- Ways to reduce air pollution

### **Effects of air pollution**

- Acid rain
- Ozone pollution
- Visibility effects
- Effects on farming & gardening
- Effects on global climate change

### **Air quality**

- Air quality vs industries
- Health related to air quality
- Measuring air quality
- Studies of air sheds
- Urban air quality
- Health effects of smog
- Worst places of air pollution
- How air quality is degraded
- Effects from forest fires

### **Impacts from carbon emissions**

- Breathing air
- Climate disruptions
- Farming
- Ecosystems & habitat
- Biodiversity
- Forests
- Wildlife
- Oceans

### **Ozone pollution**

- Importance of stratosphere ozone
- Protecting the global ozone
- Worldwide ozone depletion
- Ozone holes
- Haloalkanes
- Refrigerants & air conditioning

### **Types/causes of air pollution**

- Types & causes of air pollution
- Types of air pollutants
- Tropospheric ozone
- Particle matter
- Carbon monoxide
- Sulfur dioxide
- Nitrogen oxides
- Lead
- Dioxin
- Benzene
- Radiation pollution
- Polluting stratospheric ozone

**Sources of air pollution**

- Fires & wood burning
- Volcanic gases
- Industrial air pollution
- Pollution from coal
- Pollution from oil & gas
- Mining & mineral processing
- Auto & trucking emissions
- Landfills & construction sites

**Indoor pollution**

- Primitive cooking & heating
- Carbon monoxide
- Mold & pollens
- Toxic paints & drywall

**Toxins in homes**

- Exposure & cumulative risk
- Endocrine disruptors
- Flame retardants
- Aflatoxins, Dioxins & PCBs
- Bisphenol-A in containers
- Phthalates - chemical additives
- Radon in the home

**Radiation problems**

- Radiation's effect on health
- Natural sources of radiation
- Ionizing radiation
- Ultraviolet radiation
- Microwave radiation
- Cell phones radiation
- Radiation in medicine procedures
- Airport security scanning

## **Water pollution**

### **Polluted water**

- What is polluted water
- Toxic spills into water
- Human waste into water
- Water pollution diseases

### **Types of water pollution**

- Surface water pollution
- River pollution
- Sediment pollution
- Groundwater pollution
- Nonpoint pollution

### **Sources of water pollution**

- Industrial toxins in water
- Agricultural wastes in water
- Pesticide & fertilizer pollution
- Waste rubbish & sewage

### **Water pollutants**

- Toxic heavy metals
- Mercury, Lead, Chromium, Arsenic
- Pesticides & fertilizers
- Micro-plastics
- Radionuclides

### **Toxic leakages, spillage, runoff**

- Toxic spills into water
- Toxins into groundwater
- Toxic underground storage
- Coal ash – toxic & leaking
- Oil spill pollution
- Oil spills effects on marine life

### **Mining & drilling pollution**

- Hard rock mining
- Acid mine drainage
- Oil & gas fracking pollution
- Underground injection

### **Worst toxic sources**

- Chemical manufacturing
- Products containing mercury
- Products containing arsenic
- Product manufacturing
- Pesticide manufacturing
- Toxins in agricultural production
- Industrial estates & dumpsites
- Mining & ore processing
- Mining processing & mercury
- Mining processing & lead
- Artisanal gold mining
- Lead-acid batteries
- Lead smelting
- Tannery operations
- Dye industry



## **Water protection**

### **Governing clean water**

- Public access to clean water
- Government regulations
- Protections against water abuse
- Community water protection

### **Freshwater management**

- Protecting fresh water systems
- Assessment of source water
- Source water protection
- Rivers & lakes eco-management
- Reservoir management
- Groundwater protection
- Water storage
- Watershed management

### **Water conservation**

- River water conservation
- Groundwater conservation
- Wetlands & estuary storage
- Improving fresh water systems
- Ways to expand the water supply
- Efficiency in irrigation methods
- Regulating water use
- Technologies for water collection
- Stormwater runoff management
- Desalination technologies
- Nano-tech for desalination

### **Protecting wetlands**

- Wetland ecosystems
- Threats to wetlands
- Wetlands conservation

### **Rivers & streams**

- Balancing river ecology with uses
- Protecting water flow
- River basin management
- Riparian management
- River fragmentation
- Flood management

### **Protecting rivers of world**

- Great rivers at risk
- Protecting wild & scenic rivers
- Protecting forest rivers
- Protecting river ecosystems
- Protecting river basins
- Issues with water dams
- River restoration

### **Wastewater**

- Wastewater disposal
- Wastewater management
- Wastewater Treatment
- Reusing greywater
- Wastewater drainage
- Wastewater & wetlands

## **Ecosystems**

### **Ecosystems & biodiversity**

- What ecosystems do
- Ecosystems science
- Biodiversity importance
- Indicators of biodiversity
- Recording biodiversity
- Ecosystem adaptations
- Ecosystem changes by man
- Evolution of diverse species

### **Kinds of biodiversity to protect**

- Animal biodiversity
- Plant & crop biodiversity
- Forest & tree diversity
- Ocean biodiversity
- Freshwater biodiversity
- Soil & micro-organism diversity
- Pollinator diversity

### **Regional issues of biodiversity**

- Forest biodiversity
- Rainforest biodiversity
- Mountain biodiversity
- Tundra & polar regions
- Grasslands & savannas
- Deserts biodiversity
- Rivers & lakes biodiversity
- Wetlands & floodplains
- Coastal & island biodiversity
- Ocean biodiversity
- Coral reefs

### **Threats & losses of biodiversity**

- Measuring biodiversity
- Loss of biodiversity
- Causes & effects of habitat loss
- Endangered kinds of habitat
- Endangered species
- Threatened land species
- Threatened ocean species
- Threatened bird species
- Loss of bird populations

### **Problems for biodiversity**

- Resource exploitation & depletion
- Over-harvesting land & oceans
- Effects of CO2 on biodiversity
- Effects of climate change
- Problems of invasive species
- History of plant & animal migration
- Monocultural agriculture

### **Causes of Habitat loss**

- Deforestation
- Illegal Wildlife Trade
- Unregulated fishing practices
- Pollution of various kinds
- Agricultural encroaching
- housing developments
- Industrial developments
- Oil & Gas Development
- Global warming & Climate Change

**Protecting Habitats**

- Special places to emergency protect
- Habitat buffers
- Economic Ways to protect habitats
- Community-based Conservation
- Conservation by eco-tourism
- Wildlife and farming communities
- Wildlife Places & Bio-gems

**Protecting unique bio-zones**

- Protecting special biodiversity gems
- biodiversity seascapes
- protecting wilderness areas
- Coral reef conservation

**Biodiversity policies**

- Global biodiversity targets
- Global strategies for bio-protection
- International & domestic policies
- Economic incentives & taxation
- Economic value of biodiversity
- Biodiversity & tourism
- Animal habitat protection
- Protecting endangered species
- Land trusts of wildlife protection

**Eco-Conservation**

- Conservation ecology
- Restoration Ecology
- Ecosystem management
- Multi-functional landscapes
- Land Conservation
- Preserving diverse kinds of habitat
- Reforestation & greening
- Using traditional knowledge
- Protecting wildlife

**Plant & crop conservation**

- Plant conservation
- The role of botanical gardens
- Crop diversity for food security
- Conservation of crop diversity

**Seed conservation**

- Seed banks
- Seed savers exchanges
- The global seed storage vault
- Seed breeding
- GMO patents
- Genetic seed patents
- People's right to seeds

## **Wildlife**

### **Protecting world wildlife**

- Most endangered & threatened
- Endangered wildlife protection
- Stopping wildlife crime
- Protecting wildlife habitats
- Protecting savannah mammals
- Protecting mountain primates
- Protecting rainforest primates
- Protecting predators & carnivores
- Protecting ocean giants

### **Wildlife threats**

- Declining world wildlife
- Illegal wildlife trade
- Wildlife sport hunting
- Wildlife for profits
- Wildlife vs agriculture
- Livestock losses: problem or myth?
- Polluted water from agriculture
- Habitat loss from development
- Invasive species effects on habitat
- Climate change effects on habitat
- Disease threats to wildlife
- Effects of night-light & sound

### **Animal cruelty killing**

- Aerial gunning & culling
- Cruelty of traps & snares
- Cruelty of poisoning
- Cruelty to animal dens
- Slaughters in Africa & Asia
- Cruel attacks on elephants
- Cruelty to whales & dolphins

### **Wildlife conservation**

- Wildlife conservation corridors
- Wildlife refuges
- Regional wildlife restoration
- Restoring wildlife populations
- Re-wilding areas
- Captive breeding & reintroduction
- Refuges for dangerous animals
- Hunting & wildlife conservation
- Sustainable selective hunting
- Sustenance wildlife hunting

### **Most endangered wildlife**

- Elephant
- Tiger
- Snow Leopard
- Polar Bear
- Pacific Walrus
- Orangutan
- Gorilla
- Giant Panda
- Javan Rhinoceros
- Magellanic Penguin
- Sea Otter
- Blue Whale
- Bluefin Tuna
- Leatherback Sea Turtle
- Whooping Crane
- Monarch Butterfly

## **Forests**

### **Forest topics**

- Forest benefits
- Forest threats
- Forest ethics
- Forest activism
- Forest solutions
- Forest ecosystems
- Forest biodiversity
- Tropical rainforests
- Forests & water
- Forests & wildlife
- Forests & recreation
- Forests & climate change
- Forests & natural fires

### **Benefits of forests**

- Benefits from forests
- Global importance of forests
- Forests mitigating global warming
- Climate moderation from forests
- Forest biodiversity
- Medicines from forests
- Industrial products from forests
- Recreational benefits
- Health & well-being from forests

### **Threats to forests**

- Logging & deforestation
- Agriculture & deforestation
- Shale gas fracking in forests
- Natural forest fires
- Intentional forest fires

## **Deforestation**

- Effects of deforestation
- Causes of deforestation
- Clear-cutting for profit
- Areas of global deforestation
- Forest land grabbing
- Emissions from deforestation fires
- Illegal logging

### **Reasons for deforestation**

- Deforestation for agriculture
- Deforestation for paper
- Deforestation for wood
- Deforestation for palm oil
- Deforestation for oil & gas
- Using forests for heat & fuel

### **Sustainable forestry**

- What is sustainable forestry
- Eco-sustainable forest mgmt
- Sustainable tropical forests
- Sustainable forest industries
- Sustainable forest building products
- Sustainable forestry economics
- No clear cutting; selective cutting
- Replacing slash & burn farming
- Preventing invasive species

### **Integrating agriculture & forest**

- Forest foods & products
- Forests & chocolate
- Forests & coffee
- Forests & bananas

**Reforestation**

- Restoring forest ecosystems
- Restoring tropical forests
- Restoring deciduous forests
- Restoring native forests
- Road reclamation
- Restoring forests to absorb CO2
- Reforestation & land management
- Landscaped forests or natural?
- Urban forests & tree sanctuaries

**Global forest protection**

- Economics to prevent deforestation
- Activism protecting forests
- Forest monitoring; forest watchers
- Indigenous management of forests
- Indigenous land stewardship
- Forest stewardships & land trusts

**Protecting rainforests**

- Protecting the Brazilian Amazon
- Protecting the African Congo
- Protecting the Borneo rainforests
- Protecting the Sumatra rainforests
- Protecting Costa Rica rainforests
- Canadian Great Bear rainforest
- Cork forest conservation

## **Oceans**

### **Ocean topics**

- Ocean pollution
- Depleting ocean resources
- Ocean fishing
- Ocean rights
- International ocean agreements
- CO2 & ocean acidification
- Antarctica acidification & pollution

### **Ocean pollution**

- Types & sources of ocean pollution
- Chemical pollution
- Antibiotics & medicines pollution
- Plastic pollution
- Removing ocean plastics & toxins
- Trash pollution
- Sewage pollution
- Cruise ship pollution
- Oil spills into oceans
- Agricultural & forestry pollution
- Ports & dredging pollution
- Abandoned mine drainage

### **Ocean ecosystems & habitat**

- Aquatic ecosystems
- Marine biodiversity
- Pollution effects on ocean habitats
- Marine habitat destruction
- Protecting marine habitats
- Protecting marine life
- Protecting coral reefs
- Protecting special areas

### **Marine ecosystem management**

- Protecting marine habitats
- Enhancement of marine habitats
- Protecting genetic fish resources
- Ecosystem-based fisheries
- Rebuilding fish stocks
- Integrative aquaculture
- Integrated watershed

### **International ocean protections**

- International laws & protections
- International laws of the sea
- United Nations agreements
- International organizations
- Science-based ocean governing
- Protections against pollution
- Protections against overfishing
- Protecting ocean habitat & diversity
- Marine protected areas & reserves

### **Citizen actions**

- Citizen actions for ocean cleanup
- Protecting marine ecosystems
- Protecting great marine mammals
- Government regulations
- Political actions for ocean reserves
- Reasons for a global ocean cleanup
- Ocean education

## **Climate change**

### **Global warming**

- Global warming & climate change
- Global warming science
- The greenhouse effect
- How to study global warming
- How to avert global warming

### **Climate change**

- Natural causes of climate change
- Human causes of climate change
- Air pollution & climate change
- Contributing industries to CO2

### **Greenhouse causes**

- Carbon emissions
- Problems in burning carbon for fuel
- Industrial emissions
- Transportation & shipping
- Public costs of carbon emissions

### **Greenhouse gases**

- Carbon dioxide
- Methane
- Nitrous oxide
- Water vapor
- Ozone & ozone layer
- Halocarbons
- Aerosols
- Fluorinated gas
- Animal farming emissions

### **Effects of climate change**

- Global warming impacts
- Effects of climate change
- Climate change & wildlife
- Extreme & severe weather
- Droughts
- Floods
- Rising ocean tides on urban villages
- Tipping point for climate extremes

### **Ocean & coastal indicators**

- Ocean temperature changes
- Glacial warming & de-icing
- Rising sea levels
- Coastal area flooding
- Ocean life & acidity
- Adapting to ocean changes

### **Climate change & ecosystems**

- The oceans ecosystems
- Ocean acidification
- Coastal ecosystem changes
- Biodiversity & climate change
- Climate change & water resources
- Regions of animal habitats
- Regions of forests & vegetation
- Changes shown in Antarctica



**CO2 emissions**

- Causes & sources of CO2
- CO2 solutions & forests
- CO2 acidity & oceans
- CO2 and weather changes
- Reducing CO2 emissions
- CO2 capture & storage
- New tech in recycling carbon

**Reducing carbon**

- Reducing personal carbon footprint
- True pricing of carbon emissions
- Limits on emission pollution
- Reducing short-lived pollutants
- Penalizing tax for carbon emissions
- Carbon-tax revenues to alternatives
- Global carbon markets
- Arguments against carbon markets

**Agriculture & climate change**

- The food & climate connection
- Plant production & climate change
- Food production & global warming
- Climate implications on food chains
- Agricultural greenhouse emissions
- Livestock emissions
- Deforestation emissions
- Biofuels emissions

**Climate change mitigation**

- Preparations for climate-change
- Climate adaptive strategies
- Protecting against severe weather
- How to survive weather
- Climate smart conservation
- Climate adaptive farming
- Financing climate mitigation
- Cultural lifestyle changes

**Political & educational solutions**

- Climate initiatives & agreements
- Grassroots political initiatives
- Protecting & restoring forests
- Regulating carbon-industries
- Education on climate change

## **Environmental economics**

### **Environment & ecosystem value**

- What has economic value
- Value of environment & resources
- Valuing environmental health
- Measuring ecosystem services
- Measuring *all* environmental costs
- Clean air & water

### **Sustainable green economics**

- What is a green economy
- Eco-sustainable economics
- Environmental limits on economics
- Environmentally clean industries
- Environmental sustainable living
- Long-term planning vs short-term
- Towards a steady-state economy

### **Building a green economics**

- How to build a green economy
- Green incentives & tax breaks
- Private & public investments
- Successes of green businesses
- Green management plans
- Green supply chains

### **Environmental solutions**

- Renewable & clean energy
- Low carbon technologies
- Green-eco cars
- Green-eco public transportation
- Green-eco homes & buildings
- Green-eco industries

### **Lowering carbon**

- What are carbon emissions
- Public costs of burning carbon
- Low carbon economy
- Low carbon policies & incentives
- Taxing carbon emissions
- Carbon cap & trade

### **Protecting ecosystems**

- Preserving & protecting ecosystems
- Preserving global resources
- Protecting biodiversity & wildlife
- Sustainable land & water mgmt
- Restoring degraded land & waters
- Solutions to climate change
- Ways to mitigate climate change

### **Protecting the environment**

- Protecting the air, water & land
- Protecting the global oceans
- Protecting ecosystems & species
- Protecting sentient life

### **Environmental protection laws**

- Protecting public land & water
- Protecting resources & ecosystems
- Protections against resource ripoffs
- Penalties for pollution & overuse
- Incentives for natural preservation
- Global environmental protections
- Global environmental resource tax

## **Waste & recycling**

### **Industrial & consumer waste**

- Household hazardous waste
- Used chemicals waste & storage
- Industrial wastes & debris
- Construction & demolition debris
- Disaster debris
- Plastics trash on oceans & land
- Electronic & battery waste
- Auto parts & old tires
- Used oil & antifreeze

### **Sustainable consumption**

- The buy & throw-away economy
- Reducing waste & trash
- Reducing consumption
- Reducing energy-use
- Reducing energy production
- Reusing, repairing, recycling

### **Reducing waste**

- Recyclable products & materials
- Reducing products and materials
- Reusing products and materials
- Repairing products and materials
- Recycling products & materials
- Recycling industrial wastes
- New technology in waste solutions
- Economic incentives for recycling
- Regulations & penalties
- Reducing plastics debris
- Reducing electronic waste
- Recycling household wastes
- Composting food & garden waste

### **Advances in recycling**

- Things to recycle
- Newest recycling solutions
- Advanced tech recycling
- Closed-loop recycling
- Single-stream recycling
- Advancing the recycling market
- Coordination in recycling programs
- Recycling carbon

### **Recycling materials & products**

- Recycling paper
- Recycling glass
- Recycling metals
- Recycling electronics batteries
- Recycling auto stuff
- Construction & demolition debris
- Recycling textiles
- Recycling industrial materials
- Recycling depleting minerals
- Recycling rare minerals

### **Recycling plastics**

- Towards reusable plastics
- Recycling all plastic materials
- Re-useable & closed-loop products
- Recycling plastic bags, wraps, film
- Biodegradable bags
- Advanced plastics recycling
- Newest technology
- Recycling mixed plastics
- Energy recovery from plastic wastes

## **Energy use**

### **Energy uses**

- Uses of electricity
- Energy consumers
- Industry & manufacturing uses
- Home & small business uses
- Transportation uses
- Communication uses

### **Energy & electricity**

- Forms of electrical energy
- Science of electricity generation
- Energy storage & batteries
- Energy transmission & distribution
- Building a smart power grid

### **Effects of energy production**

- Effects of oil & coal production
- Effects of natural gas production
- Effects of nuclear production
- Solar & wind production
- Hydro & geothermal production
- Effects of biomass production

### **Energy economics**

- Needing energy & fuel
- Environmental costs of energy use
- Energy-saving & conservation
- Limiting energy use
- Non-renewable energy economics
- Renewable energy economics
- Energy independence
- Long-term energy goals

### **Energy efficiency**

- Ways of energy-saving
- Being efficient with energy use
- Energy-efficient businesses
- Energy-efficient manufacturing
- Energy-efficient transportation
- Energy-efficient buildings
- Energy-efficient appliances & use
- Smart sensors for energy saving
- Energy management
- Public transportation

### **Smart-green building**

- Energy-efficient buildings & homes
- Energy efficient design
- Affordable green housing
- Green building – how to basics
- Green building networking

### **Home & building efficiency**

- Energy saving in homes & business
- Home & business renewable energy
- Passive solar design
- Insulation materials
- Wood & pellet heating
- Thermostats & smart meters
- Kinds of home heating
- Kinds of water heaters
- Energy efficient lighting
- Energy efficient cooling
- Energy-saving moisture control

## **Non-renewable energies**

### **Political & economic debates**

- Pro-arguments for non-renewables
- Arguments against non-renewables
- Political contributions from industry
- Political rhetoric of energy security
- Hidden costs of fossil fuels

### **Natural gas**

- How natural gas makes energy
- Uses of natural gas
- Sources of natural gas
- Global natural gas reserves
- Natural gas international trade

### **Mining natural gas**

- Damages from natural gas drilling
- Drilling in natural wilderness
- Gas flaring – wasting gas
- Carbon & methane emissions
- Issues with gas pipelines
- Delivery & storage of natural gas
- Liquefied natural gas

### **Fracking for natural gas**

- How fracking works
- Hydraulic fracturing myths & facts
- Geologists – is fracking bad or not?
- Pro-arguments for fracking
- Arguments against fracking
- Seismic damages & water pollution
- Property rights vs community rights
- Fracking politics

### **Water issues with fracking**

- Water-loss from fracking
- Water pollution from fracking
- Transporting fracking waste-water
- Air pollutants from fracking
- Campaigns against fracking

### **Sources of petroleum**

- Sources of oil
- Global oil reserves
- Exploring for oil
- Oil shale
- Petroleum production
- Gas & diesel production
- Refining crude oil

### **Petroleum derivatives**

- Chemistry of petroleum
- Gas & diesel
- Heating oil
- Propane & butane
- Natural gas

### **What is propane**

- Chemistry of propane
- Sources & production of propane
- Delivery and storage
- Uses of propane
- Env impacts from propane

**Reasons to move on from oil**

- Oil-dependent transportation
- Carbon burning emissions
- Climate impacts from using oil
- Use of reserves wrecks life on Earth
- Air pollution toxins from oil & gas
- Oil spills & mishaps on land & water
- Toxic waste pits from oil & gas

**Pollution from oil**

- Sources & causes of oil pollution
- Spills & leaks in drilling & transport
- Worst ocean oil spills
- Worst toxic chemicals in drilling
- Impacts on land, water & air
- Impacts on ecosystems & wildlife
- Community rights to deny drilling

**Oil & gas drilling**

- Alaska-arctic oil development
- Drilling vs local communities
- Debates on property rights
- How to get off-shore drilling rights
- What are the oil sands
- Tar sands debate
- Anti oil pipeline campaigns

**Oil & politics**

- Political contributions for pro-oil
- Tax & regulation loopholes
- Fossil fuel subsidy giveaways

**Coal energy**

- Uses of coal
- Finding & extracting coal
- Global coal reserves
- Multiple problems with coal
- Coal & health
- Coal & pollution
- Regulations & anti-coal campaigns

**Impacts of coal mining**

- Coal toxic wastes
- Coal plants emitting mercury
- What is coal ash & its problems
- How coal ash is managed
- Coal ash storage & toxic leaking
- Dumping coal ash into water
- Coal ash impacts on wildlife
- Health impacts of coal ash
- Soot & asthma from coal ash
- Mountaintop-removal mining
- Abandoned coal mines

**Coal industry improvements**

- Cleaner ways for processing coal
- Carbon-capture and storage
- Coal ash reuse
- Liquid coal

**Minerals mining**

- Methods of minerals extraction
- Global minerals depletion
- Mining & other industries
- Pro-mining politics
- Mining rights vs public rights
- Local environment effects of mining
- Mining & refining processes
- Toxic risks & environment damage
- Uranium mines & radioactive waste
- Global mining reforms
- Eco-responsible minerals
- Unacceptable sources of jewelry

**Mining rare minerals**

- What are strategic rare elements
- Product demands for rare minerals
- Depleting supply of rare minerals
- Unregulated depletion of resources
- The future of rare minerals
- China's control of rare elements
- Rare metals for new technologies
- Rare metals for green technologies
- Recycling rare minerals

## **Renewable energies**

### **Nuclear energy pros & cons**

- Nuclear power as clean energy
- Hidden costs of nuclear power
- Safety concerns
- Mining & processing uranium
- Producing/enriching nuclear fuel
- Transporting nuclear fuel
- Problems with waste-storage
- Nuclear accidents
- Nuclear energy & nuclear bombs
- Alliances to end nuclear power
- Power from nuclear fusion
- Advances in nuclear fusion tech

### **Nuclear power science**

- How nuclear power works
- Uses of nuclear energy
- Nuclear reactions & reactors
- The nuclear fuel cycle
- Safety issue of nuclear power

### **Nuclear waste**

- What are the nuclear wastes
- Nuclear waste storage problems
- Handling nuclear waste
- Storage of spent nuclear fuel
- Spent reactor fuel dangers
- Mox fuel

### **Solar energy**

- How solar energy works
- Solar energy collection & storage
- Benefits of solar
- Solar electricity uses
- Solar heating uses
- Large-scale solar
- Small-scale solar
- Integration with the power grid

### **Solar photovoltaic electricity**

- Science of photovoltaic conversion
- Solar photovoltaic designs
- Types of photovoltaic systems
- Photovoltaic materials most used
- Measuring degrees of efficiency
- Solar-cell rechargers

### **Economic costs of solar**

- Solar cells & batteries
- Building & installing
- Solar energy market economics
- Solar technology research
- Large-scale economic costs
- Benefits vs costs

### **Small-scale solar**

- Small-scale solar energy
- Small-scale energy storage
- Setting up a small solar generator
- Small-solar crowd-funding



**Wind energy**

- How wind energy works
- Materials used in wind energy
- Wind turbine manufacturing
- Needed wind
- Wind energy batteries
- Wind energy into the grid
- Economics of wind energy
- Large wind technology
- Offshore wind technology
- Global wind resources
- Wind energy from windy areas

**Hydropower**

- How hydropower works
- Types of hydropower plants
- Types of hydropower turbines
- Large-scale hydropower
- Impacts of large-scale hydropower
- Building a micro-hydropower

**Geothermal energy**

- How thermal energy works
- Using geothermal heating
- Geothermal heat pumps
- Enthalpy steam fields
- Hot dry rock fields
- Types of geothermal power plants
- Pros and cons of geothermal energy
- Advancing geothermal research

**Wave power**

- Wave energy science
- Harnessing wave energy
- Using offshore wind
- Tidal energy science
- Harnessing tidal energy
- Ocean thermal power
- Osmotic power

**Ocean-marine energy**

- Ocean energy
- Marine-hydrokinetic energy
- Marine-hydrokinetic technology
- Wave power
- Wave energy science
- Harnessing wave energy
- Using offshore wind
- Tidal energy science
- Harnessing tidal energy
- Ocean thermal power
- Osmotic power

**Biomass energy**

- How biomass energy works
- Bio-power
- Biomass for fuel
- Biomass for electricity

**Types of biomass**

- Types of sustainable biomass
- Bio-mass products
- Wood sources of biomass
- Perennial grass as a biofuel
- Forests for biomass fuel

**Bio-gas**

- Bio-gas from anaerobic digestion
- Waste dumps or incineration?
- Biogas digesters from farms
- Farm digesters making biopower
- Making energy from garbage
- Bio-gas from landfills

**Bio-fuels**

- Biofuels science
- Benefits of biofuels
- Types of biofuels
- Biofuels for cars & trucks
- Kinds of biodiesel
- Making biodiesel
- Ethanol – a clean fuel
- Making ethanol
- Ethanol from plant cellulose
- Biofuels from micro-organisms

**Bio fuel debates**

- Arguments against biofuels
- Food vs bioenergy fuel
- Ethanol - problems
- Cellulosic ethanol - problems
- Waste-based fuels - problems
- Biomass incineration – problems
- Biodiesel – problems
- Arguments for bio fuel & bio energy
- Newest bio-energy technology

## **New tech in energy**

### **New energy technologies**

- Emerging technologies & trends
- Advancing electricity
- Interface between source & output
- Ways of using & distributing energy
- New tech in energy efficiency
- Recycling carbon from emissions

### **Areas of emerging technologies**

- Energy production
- Manufacturing
- Transportation & distribution
- Communication & media
- Network & digital storage
- Computer technologies
- Buildings & homes
- Industrial agriculture
- Sustainable small farming
- Materials recycling

### **Cogeneration of heat & power**

- Cogeneration of heat & power
- What is cogeneration
- Types of fuel involved
- Emerging cogeneration tech
- Industrial cogeneration
- Agricultural cogeneration
- Micro-cogeneration

### **Electric vehicles**

- Hybrid vehicles
- Electric batteries
- Electrical storage
- Fuel cell vehicles
- Hydrogen & fuel cells
- Newest technology advances
- Sources of electricity for vehicles

### **Why have clean cars**

- Oil use & fuel consumption
- Car pollution & public health
- Benefits of fuel efficiency
- Mitigating climate change

### **Hydrogen fuel**

- Science of hydrogen energy
- How fuel cells work
- Production & storage
- Hydrogen safety

### **Sources of hydrogen production**

- Hydrogen from coal
- Hydrogen from nuclear energy
- Hydrogen from renewables
- Hydrogen energy applications

## **Hunger & food**

### **World hunger**

- Hunger in the world
- Problems of starvation
- Drought & climate change
- Food supply & distribution
- People's incapacity to grow food
- Problems of water access
- Problems in government
- Poverty & hunger
- Right to food
- Solving food scarcity
- Food aid issues & problems
- Food emergency-disaster relief
- Teaching about hunger & solutions
- Newest solutions for solving hunger
- Solving farm to people

### **Malnutrition & nutrition**

- Malnutrition in the world
- Nutrition needs
- Nutrition education
- Nutrient fortification
- Dairy to improve world nutrition

### **Droughts & famines**

- Droughts causing of famines
- Eliminating the problems of famine
- Mitigating risk-drought problems
- New technology to solve droughts

### **Food security**

- What is food security
- What is food insecurity
- Scarcity in resources for growing
- Food & water insecurities
- Food security for rural people
- Food security for urban people
- Steps for preventing a food crises

### **Building food security**

- Food security action programs
- Global aid for food security
- Improving food supply
- Sustainable agriculture
- Role of industrial agriculture
- Small-farm agriculture
- Becoming food self-reliant
- Access to farming supplies
- Animal farming for food security
- Helpful animals for food security
- Seafood for food security

### **Community-reliant food systems**

- Building local-reliance in food
- Building an organic food system
- Community-local jobs in food
- Experimenting with crop variety
- Power of community cooperation
- Cooperating markets & local farms
- Need for fair trade agreements
- Export crops & products

### **Government food policies**

- Domestic economic policies
- International economic policies
- Food access for everyone
- Land-use planning for food needs
- Regulations against land grabbing
- Economic incentives to farmers
- Incentives for health-quality food
- Advancing sustainable agriculture
- Developing small farming

### **Urban food supply**

- Urban access to food
- Sources of food for cities
- Infrastructures of food distribution
- Ensuring quality & safety of food
- Jobs in food production & services
- Processed food
- Fast food
- Street food

## **Food quality**

### **Food safety & quality**

- Safety & quality of industrial food
- Safety & quality of animal food
- Safety & quality of fish for food
- Toxins in food processing
- Food packaging chemicals
- Cheating in food safety regulations

### **Food labeling**

- Food nutrition labeling
- Food labels – natural vs organic
- Truth vs hype in labeling
- Food labeling in imports & exports
- Labeling food irradiation
- GMO labeling

### **Food nutrition**

- Nutrition needs
- Protein needs & protein sources
- Carbohydrates & sugars
- Fats & omega 3s

### **Healthy food**

- Defining what is healthy food
- Differences in food & health diets
- Verifying food science claims
- Various eating habits in the world
- Examples of poor diets
- Causes of obesity
- Concerns with GMO foods
- Vegetarian/vegan vs animal diets

## **Agricultural development**

### **Agricultural development**

- Key values in AG development
- Comparing large-scale & small-scale
- Cash crop monocultures
- Large-scale industrial agriculture
- Small-scale local agriculture
- AG experts helping small farmers
- Efforts to intensify crop production
- Public & private partnerships in AG

### **Agricultural markets & trade**

- Trade agreements for food security
- Expanding AG markets & trade
- Ag market access, financing & loans
- Rural finance to help farmers
- Protecting fair trade
- Stabilizing food prices
- Causes of food price volatility

### **Agricultural problems**

- Problems of weather
- Problems of water & drought
- Soil depletion & soil erosion
- Environmental problems in AG
- Regional farming problems

### **Newest science in AG**

- New methods & tech in agriculture
- Genetic modified plants
- Hi-tech tools & robots in AG
- Bio-nanotech in agriculture
- Nanotechnology worries
- Bio-energy in AG industry

### **Smart agriculture practices**

- Kinds of farming systems
- Best practices for smart farming
- Sustainable plants
- Agricultural biodiversity
- Ecological farming
- Preserving seed diversity
- Water management
- Improving soil health
- Pest & pesticide management
- Urban agriculture
- Water reuse for urban AG

### **Crops for food security**

- Resilient & sustainable crops
- Good crops to plant & eat
- Diversity & varieties
- Diversity conservation
- Farming conservation
- Crop intensification
- Rice & other grains
- Foods adapting to climate change

### **Crop seeds**

- Save, diversify & increase seeds
- Saving global seeds with seed banks
- Biotech & nutrient enriched seeds
- Genetically modified seeds
- Genetic seed patents

## **Industrial AG**

### **Large scale industrial AG**

- Industrial crop production
- International industrial AG
- New trends in industrial AG
- Environmental concerns
- Industrial AG problems
- Industrial AG solutions
- Worker rights & fair wages

### **Traits of industrial AG**

- Mono-cropping
- Intensive use of fertilizers
- Heavy use of pesticides
- Intensive irrigation
- Reliance on GE seeds

### **Issues with industrial AG**

- Industrial fertilizers & pesticides
- Questions about food quality
- Industrial livestock production
- Issues with animal feed
- Large-scale land ownership
- Industrial AG & the environment
- Industrial AG in politics & policy

### **Pesticides**

- Benefits vs problems of pesticides
- Chemical effects of pesticides
- Worst pesticides on or in food
- Pesticides into the air & water
- Pesticides & farm worker health
- Pesticide effects on pollinators

## **Fertilizers**

- Science of plant needs
- Science of fertilizers & production
- Fertilizers & phosphates
- World shortage of phosphorus
- Fertilizer industry & AG politics
- Transportation dangers

### **Fertilizer use**

- Benefits of chemical fertilizers
- Nitrogen fertilizers – under-use?
- Is there a need for fertilizers?
- Nitrogen fertilizers – over-use?
- Problems of chemical fertilizers
- Phosphorus & eutrophication
- Fertilizer chemicals in water
- Water pollution from phosphates
- Environmental & health problems
- Limited fertilizer-use strategies
- Fertilizer effects on pollinators

### **GMO crops**

- What is genetically modified
- GMO food worries & debates
- GMOs: claims from both sides
- Organic farmers vs GMOs
- GMO contamination of non-GMOs
- Privatization of genetic varieties
- Lawsuits over GMO migration
- GMO crops for the malnourished
- GMO fish & animals

## **Ecological Agriculture**

### **Sustainable Agriculture**

- Sustainable AG techniques
- Sustainable AG technologies
- Principles of sustainable AG
- Ecological farming
- Sustainable crops
- Sustainable production
- Sustainable distribution
- Rural AG development
- Localized sustainable farming
- Investing in sustainable farming
- Women in community farming

### **Conservation agriculture**

- Principles of conservation AG
- Agro-ecology
- Permaculture
- Conservation benefits & limitations
- Importance of cover crops
- Crop diversity and rotation
- Water conservation & efficient use
- Supplemental irrigation
- Integration of landscaping & food
- Integration of livestock
- Indigenous knowledge of plants

### **Organic farming**

- What is organic farming
- Aspects of organic farming
- Multiple positives of organic
- Why eat organic
- Nutritional increases from organic
- Buying local & organic
- Organic food distribution
- Organic food certification & labeling
- Organic economics
- Can organic AG feed the world?

### **How-to organic gardening**

- Garden tools & materials
- Composting & mulch
- Raised beds & soil prep
- Crop rotation
- Organic fertilizers
- Natural insecticides
- Natural herbicides & pest control
- Attracting beneficial insects
- Nurturing bird habitat
- Native bee pollinators
- Dealing with garden weeds
- Growing herbs & medicinals



## **Animal farming**

### **Animal farming issues**

- Animal life in a factory farm
- Issues with animal transport
- Issues with animal slaughter

### **Environmental concerns**

- Env impacts of animal farming
- Livestock emissions & climate
- Ways to reduce livestock emissions

### **Health & animal farming**

- Health issues with animal factories
- Diseases in & from livestock
- Antibiotics in animal feed
- Use of growth hormones
- Industrial vs organic animal feed
- Effects of animal confinement

### **Dairy farming**

- Dairy processing practices
- Cruelty in the dairy-milk industry
- Cruelty involving veal calves

### **Chicken & egg farming**

- Treatment of chickens
- Concerns about factory chicken
- Chicken transport & slaughter
- Concerns about the egg industry
- Organic & free-range practices

### **Ethical concerns about animals**

- Animal ethics & animal treatment
- Arguments for animal sentience
- Treatment of farmed animals
- Ethical ways of animal farming
- Non-industrial ethical dairy
- Use of animals in lab testing
- Is animal testing necessary

### **Better ways of animal farming**

- Small-farm animals for food & use
- Improvements in factory farming
- Breeding to improve production
- Alternatives to factory farming
- Free-range & pasture grazing
- Organic animal farming
- Livestock for homesteading
- Ethical treatment of animals

### **Pasture grazing**

- Reasons for pasture grazing
- Benefits of pasture grazing
- Varieties of pasture grazing
- Improvements in pasture grazing

### **Non-meat diets**

- What is vegetarianism
- Reasons for a non-meat diet
- What is veganism
- Benefits of a non-dairy diet
- Protein concerns for non-meat diets
- Alternative vegetarian proteins
- Vegetarianism & the environment

## **Ocean Fishing**

### **Harmful fishing practices**

- Harmful fishing methods
- Harming ocean habitats
- Ocean bottom trawling
- Canyon busters fishing
- Large net by-catch
- Commercial whaling & culling

### **Overfishing the oceans**

- Negative effects of overfishing
- Overfishing impacts on food web
- Overfishing of predator fish
- Overfishing tuna, cod, & salmon
- Subsidies promoting overfishing
- Practices of deception to avoid laws
- Illegal & pirate fishing

### **Sustainable fishing**

- Area assessment of fishing capacity
- Science-based catch limit laws
- Standards for responsible fishing
- National monitoring of fisheries
- International fishing laws

### **Economics of ocean fishing**

- Sustainable small scale fisheries
- Sustainable large scale fishers
- Limiting fishing of declining species
- Environmental regulations
- Seafood processing operations
- Seafood market & trade
- Fishing as an occupation
- Fishing communities

### **Fish farming**

- Types of aquaculture fisheries
- Aquacultural systems & technology
- Positive fish farming practices
- Practices with negative impacts
- Env impact analysis for projects
- Open-ocean aquaculture
- Protecting genetic resources
- How to farm fish & shellfish
- Fishmeal & fish oil
- Newest technologies in fisheries

### **Fish farming concerns**

- Aquaculture facts vs myths
- Health concerns of farmed fish
- Impacts of fish feed on the ocean
- Impacts of antibiotics & chemicals
- Debates on genetic engineered fish
- Biotech in aquaculture

### **Sustainable healthy seafood**

- What is sustainable safe seafood
- Kinds of sustainable seafood
- Building a sustainable fish economy

### **Seafood health concerns**

- Health concerns with ocean fish
- Concerns with farmed seafood
- Evaluating what is safe seafood
- Ocean toxins & mercury in fish
- Histamine poisoning in fish
- Nuclear radiation in fish
- Genetically modified fish

## **Managing water**

### **Global water issues**

- Water issues vocab
- The value of water
- Water quality
- Drinking water for everyone
- Water scarcity
- Water security
- Water & food security
- Commercial agricultural use
- Water quality & health
- Water pollution
- Industrial wastes in water
- Rubbish & sewage into water

### **Water scarcity**

- What is water scarcity
- Areas of water scarcity
- Areas of a water crises
- Water scarcity & poverty
- Effects of water drought
- Water in natural disaster areas
- Water in conflicts areas
- Water aid projects

### **Water access**

- Water access for water security
- People's right to water
- Community access to clean water
- Defining community water rights
- Women inequality in water rights

### **Water as a resource**

- Economics of water
- Competition for water
- The value of good water
- Buying clean water
- Protecting water resources

### **World water use**

- Water supply
- Urban water
- Water and agriculture
- Over-use of water in agriculture
- Water distribution & water waste
- Mapping water use & water waste

### **Water for agricultural use**

- Water use in agriculture
- Crops needing lots of water
- Animal uses of water
- Small farm needs for water
- Small farms or industrial agriculture
- Industrial agriculture wasting water
- Water pollution in agriculture
- Fertilizers & pesticides into water

### **Water economics**

- Investing in safe clean water
- Costs & pricing of water
- Water in a green economics
- Business solutions for clean water
- Water rights vs. privatization
- Women collecting water
- Water safe access for women

**Water politics**

- Water shortages & conflicts
- International water disputes
- Geopolitics of water scarcity
- Politics of water cooperation
- Water planning & infrastructure
- Urban water issues

**International water conflicts**

- Areas of water conflicts
- Economics of water
- Water and governance
- Ways to resolve water conflicts

**Water education**

- Teaching about water needs
- Teaching about water respect
- Promoting water protection
- Solving clean water for everyone

**Water sanitation & hygiene**

- Water for hygiene & health
- Water sanitation
- Diseases in unclean water
- Science of water diseases
- Hygiene education
- Methods of sanitation
- Waste water & sanitation
- Solving sewage drainage
- Solid waste management
- Everyone needs a toilet
- Changing cultural practices

**Water quality**

- Need for clean & safe water
- Water quality in relation to health
- Assessing the quality of water
- What is acceptable water quality
- Testing what's in the water
- Chemical & microbial problems
- Ways to filter & purify water
- Bottled water – pros & cons
- Bottled water quality
- Plastic contamination in containers

**Disposal of wastes**

- Safe disposal of chemical waste
- Disposal of electronic waste
- Disposal of consumer waste
- Disposal of human waste
- Uses of animal waste
- Microbes & waste
- Purifying waste

**Human waste disposal**

- Pit latrines
- Pour-flush toilets
- Ecological toilets
- Leach pits
- Septic tanks
- Open drains
- Sewage interceptors
- Sewage treatment plants
- Ways to assimilate into land or sea
- Latest technology in waste systems

## **Global health**

### **Factors of health**

- Environment & health
- Clean water & health
- Healthy & nutritious foods
- Physical exercises for health
- Social beliefs about health
- Emotions & health

### **Health problems**

- Malnutrition
- Waterborne diseases
- World deceases
- Viruses & flues
- Environmental toxins
- Mental health problems
- Alcohol & drug addictions

### **Diseases**

- Poor water as sources for diseases
- Many kinds of diseases & infections
- Child infections
- Disease & pandemics emergencies
- Disease detection & prevention
- Vaccines & immunizations
- Global vaccine supply
- HIV & other sexual diseases
- Reducing sexual transmission
- Hepatitis
- Malaria
- Smallpox
- Newest diseases & viruses
- Overuse of antibiotics

### **Mothers & child health**

- Reproductive-health
- Family planning
- Maternity health
- Midwifery
- Birth defects
- Breastfeeding & child nutrition
- Child sicknesses & mortality

### **Health care providers**

- Health aid organizations
- Health emergency respondents
- Global health NGOs

### **Healing remedies**

- Drugs for healing
- Pharmaceutical ethics
- Natural medicines for healing
- Traditional healing methods
- Body therapeutics
- Nutritional supplements
- Ways to eliminate body toxins
- Genotech solutions for healing

### **Bodycare products**

- Healthy & safe products
- What is a 'natural product'
- What are quality ingredients?
- Science behind bodycare claims
- Sunscreens & creams
- Clothes without emitting chemicals
- Alternative materials for clothing

## **Population**

### **Population issues**

- Defining over-population growth
- Regions of over-population growth
- Urban populations
- Rural populations
- Aging populations
- Disability populations
- Youth populations
- Migrant & displaced populations
- Populations in drought areas
- Populations in disaster areas
- Populations in poverty areas
- Regional population problems
- Food, water, & shelter needs
- Lack of sufficient employment
- Youth in over-populated areas
- Crime in high population areas
- Drugs in population areas
- Making urban opportunities
- Making rural opportunities

### **Population growth**

- World population growth
- Populations of increasing poverty
- Regions of overpopulation
- Population & carrying capacity
- Population growth & resources
- Population & poverty
- Solutions to overpopulation
- Birth control & family planning
- Economic planning for populations

## **Poverty**

### **Poverty in the world**

- Situations & kinds of poverty
- Regions with extreme poverty
- Poverty from over-population
- Rural poverty
- Urban poverty
- The poverty wheel
- Economic inequalities

### **Aspects of poverty**

- Lack of food & water
- Lack of health-care
- Lack of safe shelter
- Lack of education
- Lack of economic opportunities
- Crimes against people in poverty
- Safety for those in poverty

### **Poverty relationships**

- Poverty & hunger
- Poverty & health
- Poverty & environment
- Poverty & population growth
- Poverty & reproduction
- Poverty from displacement

### **Poverty solutions**

- Solving poverty to solve hunger
- Providing healthcare & security
- Skills training & work opportunities
- Community & small-scale farming
- Small family planning

## **Economic development**

### **Economic development topics**

- Economic development theories
- Measures of economic welfare
- Sustainable development
- Gender equality & opportunity
- NGOs in global development
- UN economic development goals

### **Reasons for economic inequity**

- Geography reasons for inequity
- Cultural reasons for inequity
- Lack of education & skills
- Inequity in land ownership
- Political oligarchy & corruption
- Government incompetence

### **Problems in development**

- Hidden costs in development
- Environment degradation
- Human rights & cultural rights
- Bribery, corruption & dishonesty
- Corporate influences & interests

### **Global aid**

- Myths about world aid
- Measuring international aid
- Aide for economic development
- Need for economic fair trade
- Non-profit aid organizations
- Religious non-profit aid

### **Development in poor regions**

- Theories of economic development
- Developing sustainable economies
- Measuring economic welfare
- Basic needs of poor countries
- Increasing self-reliance
- Urban collectives & cooperatives

### **Rural development**

- Sustainable rural development
- Sustainable small-scale farming
- Agricultural farming cooperatives
- Water protection & water access
- Nature & forest reserves

### **Agriculture to end poverty**

- Regional agricultural-food reliance
- Tools for food sustenance
- Water as key to food sustenance
- Farm cooperatives to end hunger
- Nutritious & easy to grow foods
- Best animals for use & food
- Animal farming & homesteading

### **UN goals for global development**

- Eradicate hunger & poverty
- Universal primary education
- Gender equality
- Reduce child mortality
- Improve maternal health
- Reduce AIDS & other viruses
- Environmental sustainability
- Build partnerships for development

### **Financing economic development**

- International economic investment
- Financing business development
- Assistance with market access
- Assistance with international trade
- International fair trade agreements
- Development loans & debt relief
- Global tax for global assistance
- Domestic financial resources
- Community savings banks
- Community financing initiatives

### **Global financing institutions**

- The World Bank
- International Monetary Fund
- Technical Assistance
- Business assistance
- Public & private partners
- Government cooperation
- The Role of the G7/ G8 / G20

### **Criticisms of finance institutions**

- Criticisms of the world bank
- Criticisms of the IMF
- Where the IMF gets its money
- Deceptions in financial assistance
- Business interests vs human rights

### **Problems of debt**

- Third world debt & effects
- Vultures of debt
- Debt relief & forgiveness

## **Small Farming**

### **Small farms development**

- Building up rural economics
- Farming & food cooperatives
- Small farm trade cooperatives
- Incentives for small farming
- Investment & loans for small-farms
- Microfinancing solutions
- Teaching small-farming skills

### **Communities & local farming**

- Assessing community food needs
- Creating a community food system
- Farmers' markets & grocery co-ops
- Farm to school food

### **Land & farming**

- What is land sovereignty
- Land rights for food security
- Land tenure & poverty reduction
- land-use & land rights
- Private or public property?
- Community land ownership
- Community & collective farms
- Family & small business farms
- Corporate industrial land grabbing
- Land rights for women
- Women in rural farming



## **Globalization & trade**

### **Globalization**

- Types of globalization
- Globalization: positives & negatives
- Globalized economics & trade
- Globalized corporations
- Globalized communication & media
- Globalization of arts & styles
- Globalization & cultural fusion

### **International trade**

- Kinds of trade policies
- Protectionism vs free trade
- Trade barriers & tariffs
- Currency manipulations

### **Trade agreements**

- International trade agreements
- Examples of trade agreements
- Criticisms about trade agreements
- Hidden dynamics of agreements
- How to evaluate trade agreements

### **World Trade Organization**

- Reasons for the WTO
- What the WTO does
- WTO agreements & rules
- Main criticisms of the WTO
- Trade rules vs trade wars

### **Free Trade**

- Theory of free market trade
- Economic benefits of fair trade
- Pros & cons of free trade

### **Criticisms of free trade**

- Free trade impacts on poor nations
- Major beneficiaries of trade trade
- Trade benefits for corporations
- International banking & free trade
- Neoliberalism goals & agendas
- Labor exploitation & unfair wages
- Fair regulations on free trade

### **Labor exploitation**

- in manufacturing
- in the food industry
- in the fishing industry
- in the jewelry industry
- in the textile industry
- in the cotton industry
- in the cocoa industry

### **Fair trade**

- What is fair trade
- Definitions of fair trade
- Principles for fair trade
- Benefits of fair trade
- Negotiating fair trade
- Fair wages & worker rights
- Preventing labor exploitation
- Fair trade cooperatives
- Promoting fair trade products

## **Armed Conflicts**

### **Kinds of armed conflicts**

- Armed conflicts now in the world
- Conflict regions
- Conflict ideologies
- Why conflicts? Conflict causes
- Ethnic or religious conflict
- Wars over religion, race, or culture
- Wars over land & property
- Militia attacks
- Terrorist attacks
- Lone assailant attacks
- Gang violence

### **Conflict issues**

- Occupation & settlement
- Militant groups
- Nations in transition
- International relations
- Violence & extremism
- Problem of terrorism
- Problems of mental illness
- Domestic violence
- Conflict solutions
- Military vs social solution

### **Costs of armed conflicts**

- Physical & social effects of war
- Problems of poverty & food
- Economic impacts from war
- Environmental impacts from war
- Psychological impacts from war
- Damages from weapons debris
- 

### **Recovering from war**

- Unresolved feelings from a war
- Human & social costs
- Economic costs
- Civilian deaths
- Social & societal recovery
- Psychological recovery
- Children & recovery

### **Conflict areas**

- Regional areas of conflict
- Pick & study an area of conflict
- Nations with conflict
- Nations destroyed by conflict
- Reasons for conflict

### **Failing & emerging states**

- What is a state; what is a nation
- What is national sovereignty
- Claims of independent autonomy
- Fragile states
- Failing states
- Failed states
- How nations can help or intervene

### **Intervention**

- UN intervention to secure safety
- UN peacemaking approaches
- Humanitarian intervention
- UN backed military intervention
- Military intervention by nations
- Intervention in relation to cultures
-

## **Weapons**

### **Militaries & spending**

- Military spending in the world
- How militaries rule the world
- Military-industrial complex
- Nuclear arms spending
- Arms producing industry
- Costs of war & rebuilding

### **International arms trade**

- Arms industry, market & trade
- Politics & propaganda in arms trade
- Impacts from arms trade
- Reducing the global arms trade
- Treaties about large & small arms
- Reasons for arms control

### **Weapons of wars**

- Categories of weapons
- Chemical bombs
- Biological bombs
- Nuclear bombs
- Mass Destructive Weapons
- Tactical nuclear weapons
- Tactical delivery systems
- Radiological dispersion
- Incendiary weapons
- Cluster munitions
- Landmines & how they harm
- Suicide bombs
- Robotic Weapons
- Target directed drones

### **Nuclear weapons**

- Nuclear weapons & security
- Proposed reasons for nukes
- Who has nuclear weapons
- Nuclear missiles & stockpiles
- Dangers of nuclear arsenals
- Preventing nuclear terrorism
- Nuclear weapons policies
- Assessing nuclear threats
- Nuclear missile defense
- Nuclear proliferation
- Nuclear weapons in space

### **Nuclear disarmament**

- Reasons for disarmament
- Reasons for non-proliferation
- Env impacts of nuclear war
- Social impacts of nuclear war
- Economic impacts of nuclear war
- Agreements, treaties, negotiations
- Nuclear arms reduction
- Campaigns to end nuclear weapons

### **Small Arms**

- Kinds of small arms
- Casualties from small arms
- Small arms & markets
- Small arms exporters
- Psychology of small arm holders
- Armed groups, gangs, cults
- Armed violence prevention
- Small arms regulations

## **Ethics of war**

### **Ethics of war**

- History of war ethics
- Idea of a just war or holy war
- Is there any morality in war?
- Moral conduct in war
- Rules and conventions
- War crimes
- Preemptive & aggressor strikes
- Harm from weapons of pain

### **Assaults on human rights**

- Child warriors - use of children
- Assaults on the innocent
- Murders & cruelty
- Violence against women
- Use of landmines
- Atrocities & genocides from war
- Terrorism as irrational violence
- Targeted killing

### **Genocide**

- Rationalizations of genocide
- Stages of genocide
- Places of genocide
- Enablers of genocide
- Preventing genocide

### **Detentions & disappearances**

- Detention & imprisonment
- Degrading treatment in detention
- Arbitrary detention
- Political & military detention
- Disappearances & executions

### **Torture**

- Definitions of torture
- Torture justifications
- Debates of torture ethics
- Reasons to ban torture
- International laws against torture

### **Terrorism**

- How jihadist terrorism justifies itself
- Paths towards preventing terrorism
- Solving terrorism with open debate
- Military & government surveillance

### **Doctrines against war**

- Justifications for a just war
- Debates about the rightness of war
- Ideas & ideals against war
- Alternatives to war
- Alternatives to military response
- Conflict resolution & diplomacy
- Peaceful societies of the past
- Learning from matrilineal societies
- Doctrines of non-violence
- Doctrines of pacifism

### **Religious views of war**

- Hindu & Buddhist
- Native American
- Taoist & Chinese
- Christian & Judaic
- Muslim & Sikh
- Muslim jihadist
- Religious justifications for attack

## **Peace & security**

### **Peace & security**

- Theories on peace & security
- Peace-keeping & peace-building
- International diplomacy
- Religion in resolution & peace

### **Peace & security challenges**

- Violence & genocide prevention
- Protecting innocent parties
- National internal peace building
- Interacting with with militaries
- Interacting with insurgencies
- Terrorism & organized crime
- Transnational crime & gangs
- Violent religious extremists

### **International humanitarian law**

- What is humanitarian law
- Humanitarian conduct in conflicts
- International rules for detention
- International criminal justice
- International criminal court

### **Humanitarian interventions**

- Humanitarian intervention
- Emergency response in conflicts
- Armed humanitarian enforcement
- Protecting women & children
- Genocide prevention
- Doctors without borders
- UN military intervention
- Defining what requires intervention
- Appropriate UN rules & laws
- Financing interventions & peace

### **Security & stability**

- National defense & security
- Military necessities in security
- Dealing with insurgencies & revolts
- Solving internal national conflicts
- Working to solve group conflicts
- Building a lawful civil society
- Building security & prosperity
- Security in post-conflict areas

### **Peace & justice**

- National human rights laws
- Protecting human rights & security
- Gender, racial & tribal equal rights
- Dealing with anger & distrust
- Transitional & Restorative justice

### **Peacekeeping**

- Peacekeeping & safety
- UN peacekeeping
- International peacekeeping
- Conflict resolution & prevention
- Private military & security
- Monitoring the security sector
- Women in peacekeeping

### **Peacebuilding**

- Peacebuilding goals & principles
- Helping new emerging nations
- Peacemaking & negotiation
- Peacebuilding after conflict
- International peacebuilding
- UN & NGO peacebuilding
- Financing UN & NGO peace work

### **Aspects of building peace**

- Tools for conflict resolution
- Conflict mediation
- Conflict sensitivity & management
- Reconciliation & establishing trust
- Diplomatic talks & negotiation
- Compromise & cooperation
- Shared values & cooperation
- Building treaties & agreements
- Economic development & peace
- Building peace with business trade
- International investment & loans

### **Pathways to peace**

- Non-violent activism
- Peacebuilding tools
- Media in peacebuilding
- Peacebuilding networks
- Women & peacebuilding
- Youth & peacebuilding
- Religious leaders in peacebuilding
- Global peace builder community
- Peace education -- teaching peace

### **Women in peace & security**

- Women in conflict resolution
- Women in post-conflict recovery
- Women in peacebuilding
- Women in security management
- Women in international diplomacy
- Are women better at peacemaking
- Women governing peace & security

## **Emergencies**

### **Kinds of emergencies**

- Weather extremes
- Drought: no food & water
- Storms & floods
- Earthquakes & volcanoes
- Preparing for extremes in weather
- Electrical blackouts
- Hazardous toxic spills
- Health pandemics
- Nuclear accident
- Bio-tech accident
- Casualties from wars & bombs
- Environmental wreckage from war

### **Emergency response**

- UN humanitarian assistance
- International assistance
- Organizations for disaster relief
- First responders
- Emergency food & water supplies
- First aid & medicine supplies
- Transport & distribution needs
- Survival supplies & tools
- Water decontamination
- Kinds of emergency shelters
- Protecting the vulnerable
- Theft in disaster areas
- Property destruction in disasters
- Environmental cleanup
- Economic recovery assistance
- Climate change preparation
- Disaster preparation
- Disaster risk reduction plans

## **Government**

### **What is good governance**

- Key values of good governance
- Criteria of good government
- What is a bad government
- Evaluating social rights
- Evaluating economic progress
- Evaluating government honesty

### **Aspects of governance**

- Protecting social rights
- Fair justice & rule of law
- Ensuring economic fairness
- Functional & efficient economy
- Managing money in the economy
- Protecting resources
- Land use decisions
- International trade agreements
- International relations & peace
- Security of national borders
- Debates about immigration
- Ideals of nationalism

### **Kinds of government**

- Representative democracy
- Oligarchy & plutocracy
- Aristocracy & monarchy
- Dictatorship & authoritarianism
- Collective dictatorship
- Communism
- Fascism
- Totalitarianism
- Theocracy
- Anarchy & anti-government

### **Principles of democracy**

- Principles & values of democracy
- Citizen rights & freedoms
- Constitutional equal rights
- Fair & equal judicial system
- Majority rule & minority rights
- Diversity & minority inclusion
- Negotiation & compromise
- Free & fair elections
- Free speech & independent media
- Right to make political reforms
- Power of internet & social media

### **Forms of democracy**

- Constitutional democracy
- Representative democracy
- Parliamentary democracy
- Direct-vote democracy
- Federalism & regionalism
- Social democracy

### **United Nations for democracy**

- UN work in democracy building
- UN work for world peace
- UN work in economic cooperation
- UN work in human rights

### **Challenges in democracy building**

- From dictatorship to democracy
- Healing from a bad government
- State military influence
- Corruption & bribery
- Maintaining social peace & law
- Resolving state internal conflicts

**Security vs freedom**

- National security vs freedoms
- Government surveillance
- Government controlled news
- Government disinformation
- Gov controlled censorship
- Imprisonment of dissidents
- State vs opposing ideas

**Government transparency**

- Government transparency
- Government: secretive or public
- Public access to gov documents
- Government accountability

**Corruption in Government**

- Problems of corruption
- Tax avoidance & tax havens
- Bribes & contributions
- Money guiding governing
- Anti-corruption strategies

**Challenge of crime**

- Organized crime
- Gang violence & crime
- Subtleties of extortion & threats
- Illegal drugs & guns
- Sex & slave trafficking
- Theft & robbery
- Maritime & land piracy
- Transnational illegal trade
- Money laundering
- Internet hacking & data piracy
- Economic costs of crime
- Appropriate penalties for crimes



## **Economics**

### **Economic theories**

- Free market capitalism
- Economic liberalism
- Classical economics
- Neoclassical economics
- Planned & command economics
- Socialist & marxian economics
- Fascist & monopolistic economics

### **Mixed economic theories**

- Comparing market & command
- Mixing market & government
- Public & private in competition
- Keynesian macroeconomics
- Social market-economics
- Social liberalism
- Liberal socialism
- Democratic socialism

### **Ideals in market capitalism**

- Economic freedom
- Economic opportunities
- Increasing wealth & ownership
- Freedom in business decisions
- Competition benefits customers
- Competition in price & quality
- Law of supply & demand
- Needs & demand creates supply
- Price affects demand
- Minimizing costs & expenses
- Minimizing taxes & fees
- Minimizing regulations
- Maximizing sales & profit

### **Free market characteristics**

- Private property & ownership
- Right to profit & wealth
- Profit incentive for investment
- Freedom in production of goods
- Freedom in providing services
- Freedom in investment & financing
- Freedom in trade & commerce
- Consumer freedom & choice
- Market competition
- Market entry opportunities
- Market creativity & innovation
- Producer & buyer bargaining
- Owner & workers bargaining
- Finance & enterprise bargaining
- Minimal government interference
- Gov protecting a free & fair market
- Socioeconomic inequalities
- Socioeconomic hierarchy

### **Effects of market competition**

- Efficiency in production & services
- Improvement in product & services
- Lower prices & higher quality
- Innovation & invention
- Increasing consumer purchasing
- Increasing profit & investment
- Increasing production & supply
- Increasing labor opportunities
- Increasing social prosperity

**Sector issues & advances**

- Manufacturing & industrial
- Technology & electronics
- Construction & housing
- Energy production
- Mining & recycling
- Utilities & waste services
- Transportation & auto
- Communication & internet
- Media & entertainment
- Agriculture & food services
- Healthcare & medical services
- Education & skills training
- Scientific & university research
- Financial & banking services

**Market problems**

- Monopolies, cartels, & lobbyists
- Barriers to market entry & success
- Markets & government lobbyists
- Labor market failures & skill gaps
- Consumers without spending cash

**Critiques of market capitalism**

- Myth of simple market efficiency
- Myth of a government-free market
- Myth of trickle-down economics
- Expanding inequalities in wealth
- Politics influenced by money
- Tax loopholes for the wealthy
- Crony capitalism, collusion, bribery
- Insider financial trading
- Sweetheart contracts & subsidies
- Regulations guided by the industry

**Macro economic topics**

- Investment & banking
- Banking & loan practices
- Banks & risk investments
- Financial & stock markets
- Housing & property markets
- Production & service markets
- Employment opportunities
- Labor unions & worker rights
- Multinational corporations
- How to decentralize monopolies
- How to increase competition
- Ways to acquire capital & finance
- Uses of production machinery
- Uses of computers & hi-tech
- Automation & robotics

**Government into economics**

- Reasons for economic interventions
- Government economic planning
- Centralized vs localized planning
- Regulations & consumer protection
- Rules of trade & commerce
- Rules of marketing & advertising
- Individual & business Tax
- Economic incentives & tax breaks
- Price supports & subsidies
- Providing common public services
- Public works projects & contracts
- Government as market customer
- Social security, welfare & safety net
- Balancing government budgets
- Stabilizing national debt
- Negotiating international trade

## **Social economic ideas**

### **Fair market economics**

- What is a fair-market vs unfair
- Advantages of concentrated capital
- Ending tax & regulation loopholes
- Socially responsible free market

### **Government economic guidance**

- Government steering the economy
- Applying tax-penalties & tax-breaks
- Steering towards a green economy
- Resource regulations & restrictions
- Consumer protections
- Tax-breaks & loans for sm business
- Tax incentives for social work
- Gov contracts & outsourcing
- Stabilizing Gov budgets & debts

### **Community guided economics**

- Community economic decisions
- Community savings & loan banks
- Community businesses & coops

### **Resource-cost accounting**

- Accounting for environmental costs
- Carbon regulations & restrictions
- Resource use-tax & use-limits
- Taxing pollution & degradation
- Carbon cap & trade markets

### **Egalitarian economics**

- Social market-economics
- Compassionate economics
- Economics & human rights
- Economic goodwill & sharing
- Global economic assistance & aid
- Food, water & health assistance
- Global economic cooperation
- Fair & helpful trade agreements

### **Government serving public needs**

- Public employment options
- Public funded health care
- Public funded education
- Public funded utilities
- Public funded science research
- Assistance & tax breaks for service
- Gov outsourcing to businesses
- Competition of public & private
- Free enterprise serving public need

### **Government basic support**

- Government help for the needy
- Food, water, shelter for everyone
- Job opportunities for everyone
- Opportunities for skills training
- Apprentice learning programs
- Free education for everyone
- Health care for everyone
- Public housing & emergency shelter
- Rent limits & renters tax relief
- Basic living income for everyone

**Public advocacy**

- Consumer advocacy
- Labor advocacy
- Renters advocacy
- Equal rights advocacy
- Educational advocacy
- Public health advocacy
- Environmental advocacy
- Protecting resources, air & water
- Monitoring corporate politics
- Proposals for economic reforms

**Banking & finance**

- Regulation proposals for banks
- Decentralizing banking
- Federal savings & loan banks
- Community banks & loans
- New ideas in capital financing
- Micro financing
- Crowd funding

**Decentralizing wealth**

- How much is excessive wealth
- Positive reasons for a wealthy class
- Evaluating trickle-down economics
- Problems with centralized wealth
- Powers of corporate wealth
- Ways to decentralize wealth
- Maximum limits on wealth
- Progressive taxes on wealth
- Wealth tax vs. wage & sales tax
- Increasing consumer spending cash

## **Human rights**

### **Human rights principles**

- United Nations & human rights
- Principles of human rights
- Equal rights vs discrimination
- Cultural & economic rights
- Individual freedoms vs social-needs

### **Basic Rights**

- Right to food, water & shelter
- Right to health care & hospitals
- Right to literacy & education
- Right to safety & security
- Right to peace & non-violence
- Right to fairness & justice
- Right to work & opportunities
- Right to participate in governance
- Rights & freedoms in other nations

### **Rights for all people**

- Rights of women & children
- Rights of the poor & elderly
- Rights of workers & farmers
- Rights of minorities & indigenous
- Rights of migrants & refugees
- Rights of detained & imprisoned

### **Discrimination issues**

- Discrimination against women
- Discrimination against minorities
- Discrimination against diversity
- Race & ethnic discrimination
- Religious discrimination
- Discrimination & free choice

### **Protecting human rights**

- Human rights watch & monitoring
- Protecting vulnerable people
- International justice
- Restorative justice

### **Human rights abuses**

- Global human rights violations
- Genocide & atrocities
- Gender-based abuses
- Political imprisonment
- Forced displacement
- Forced child labor
- Human trafficking
- Sexual exploitation & rape

### **Human trafficking**

- Facts & situations of trafficking
- Who are the traffickers
- Who are the victims of trafficking
- Trafficking & forced labor
- Trafficking & sexual exploitation
- Poverty in relation to trafficking
- Ways to end human trafficking

### **Children rights issues**

- Children forced to work
- Conditions of child labor
- Children living on the street
- Trafficking & sale of children
- Child soldiers in armed conflicts
- Uncovering child abuse

**Detention & imprisonment**

- Rights of the detained
- Unreasonable detention
- Detention without trial
- Immigration detention
- Rights of the imprisoned
- Conditions of imprisonment
- Use of isolation & mental torture
- Questionable ethics of torture
- Executions & disappearances

**Rights of refugees**

- Global refugee problems
- Human rights watch for refugees
- Protecting refugees
- Distinguishing refugees & migrants
- Kinds of asylum seekers
- Reasons for displacement
- Internally displaced refugees
- Armed-conflict displaced refugees
- Environmental displaced refugees
- Refugee emergency response
- Refugee food & water assistance

**Refugee solutions**

- Health care & schools for refugees
- Building a food system for refugees
- Plans & solutions for resettlement
- Social-cultural issues in relocation
- Refugee assimilation
- Helping refugees return home

## **Women's rights**

### **Women's rights & freedom**

- Gender inequalities
- Women's movements
- Women empowerment
- Reproductive rights & debates
- Birth control rights
- Debates on birth-control
- Women debating women's rights
- Different cultures of women
- Differences in women's appearance

### **United Nations & women's rights**

- Marriage & divorce rights
- Women & property rights
- Women's equality in job & pay
- Gov promoting gender equality
- Protecting women's rights

### **Women & health**

- Ways to promote women's health
- Women's decision in health-care
- Pregnancy & birth health-care
- Birth control & family planning
- Abortion problems & issues
- Women & HIV/AIDS
- Sanitation safety for women
- Women employed in health-care

### **Systemic gender bias**

- gender role stereotypes
- gender bias in the workplace
- gender bias in academic professions
- gender bias in performance media
- gender bias in big business
- gender bias in news & credibility

### **Women & business**

- Equal opportunities & fair pay
- Women's economic empowerment
- Women in business
- Women entrepreneurs
- Investing in women entrepreneurs
- Cloud investment & loans
- Women investing in women

### **Women in governing & peace**

- Women in leadership & politics
- Women in global diplomacy
- Women in peace & security
- Women in conflict-resolution
- Women in peace-building
- Women in health services
- Women in emergency relief
- Women in education

**Woman's safety**

- Problems that women encounter
- National laws protecting women
- Ending gender violence & assault
- Safe cities & rural areas
- Providing safe protective shelters
- Protecting women in conflict areas
- Protecting women in emergencies
- Protecting the safety of girls
- Women in security positions
- Women working with local police

**Gender violence**

- Gender-based violence
- Domestic violence
- Sexual violence
- Sexual exploitation
- Abuses of women & girls
- Ending rape cultures
- Educating men & boys
- Defining sexual harassment
- Sexisms & putdowns

**Girl injustices & dangers**

- Girl discrimination & injustices
- Girl inequalities in education
- Honor killings of girls
- Female genital mutilation
- Child forced-marriage
- Bride kidnapping
- Teen rape
- Teen pregnancy
- Teen social pressures



## **Rights & freedoms**

### **Freedoms**

- Debates on rights & freedoms
- Freedom of belief & opinion
- Freedom of religion & culture
- Freedom of speech & expression
- Freedom of assembly & petition
- Freedom of choice
- Rights of privacy

### **Freedoms of speech**

- Freedom of expression
- Freedom of the press
- Freedom on the internet
- Freedom in the arts
- Freedom to invent & initiate
- Intellectual freedom & property
- Freedom to disagree & debate

### **Freedoms of choice**

- Rights of choice & diversity
- Sexual orientation & identity
- Freedom of social association
- Freedom in business hiring
- Choice & discrimination
- Freedom & responsibility

### **Surveillance vs privacy**

- Government surveillance
- Surveillance technologies & uses
- Privacy of internet & phone
- Privacy vs national security
- National security justifications

### **Debatable freedoms**

- Questionable uses of technology
- Technologies of deception
- GE plants & animals
- GE humans
- Lab testing on animals
- Abortion: a freedom or crime?
- Right to assault weapons?
- Questionable religious traditions
- Abusing other's rights & freedom

### **Media & freedom**

- Freedom of internet & social media
- Social media influencers
- Social media marketing
- Consumer surveillance & big data
- Collecting macro & micro data
- Money influences in news media
- Biased news to influence opinions
- Fake news & disinformation
- Net-bots influencing public opinion
- Gov shutdowns of social media

### **Solving weapon violence**

- Right to guns not assault weapons
- Criminal background checks
- Safety training for gun buying
- Parent-of-kids accountability
- Gun buyback programs
- Disrupting gun black markets
- Gang deterrence & busts
- Youth-employment in crime areas
- Investigating threats of violence

