

Name _____
Date _____
Class _____

Summer Research Paper

Due Date- 1 week after the start of school

This is a list of environmental issues as they relate to the anthropogenic effects on the natural environment.

- **Climate change** — Global dimming • Fossil fuels • Sea level rise • Greenhouse gas • Ocean acidification • Shutdown of thermohaline circulation • Environmental impact of the coal industry • Urban Heat Islands
- **Conservation** — Species extinction • Pollinator decline • Coral bleaching • Holocene extinction • Invasive species • Poaching • Endangered species
- **Energy** — Energy conservation • Renewable energy • Efficient energy use • Renewable energy commercialization • Environmental impact of the coal industry • Environmental impact of hydraulic fracturing
- **Environmental degradation** — Eutrophication • Habitat destruction • Invasive species • Soda lake
- **Environmental health** — Air quality • Asthma • Environmental impact of the coal industry • Electromagnetic fields • Electromagnetic radiation and health • Indoor air quality • Lead poisoning • Sick Building Syndrome • Environmental impact of hydraulic fracturing
- **Genetic engineering** — Genetic pollution • Genetically modified food controversies
- **Intensive farming** — Overgrazing • Irrigation • Monoculture • Environmental effects of meat production • Slash and burn • Pesticide drift • Plasticulture
- **Land degradation** — Land pollution • Desertification
Soil — Soil conservation • Soil erosion • Soil contamination • Soil salination • Alkali soils * Residual Sodium Carbonate Index
- **Land use** — Urban sprawl • Habitat fragmentation • Habitat destruction
- **Nanotechnology** — Nanotoxicology • Nanopollution
- **Nuclear issues** — Nuclear fallout • Nuclear meltdown • Nuclear power • Nuclear weapons • Nuclear and radiation accidents • Nuclear safety • High-level radioactive waste management
- **Overpopulation** — Burial • Water crisis • Overpopulation in companion animals • Tragedy of the commons • Gender Imbalance in Developing Countries • Sub-replacement fertility levels in developed countries

- Ozone depletion — CFC • Biological effects of UV exposure
- Pollution — Environmental impact of the coal industry • Nonpoint source pollution • Point source pollution • Light pollution • Noise pollution • Visual pollution
Water pollution — Environmental impact of the coal industry • Acid rain • Eutrophication • Marine pollution • Ocean dumping • Oil spills • Thermal pollution • Urban runoff • Water crisis • Marine debris • Microplastics • Ocean acidification • Ship pollution • Wastewater • Fish kill • Algal bloom • Mercury in fish • Environmental impact of hydraulic fracturing
Air pollution — Environmental impact of the coal industry • Smog • Tropospheric ozone • Indoor air quality • Volatile organic compound • Atmospheric particulate matter • Environmental impact of hydraulic fracturing
- Reservoirs — Environmental impacts of reservoirs
- Resource depletion — Exploitation of natural resources • Overdrafting
Consumerism — Consumer capitalism • Planned obsolescence • Over-consumption
Fishing — Blast fishing • Bottom trawling • Cyanide fishing • Ghost nets • Illegal, unreported and unregulated fishing • Overfishing • Shark finning • Whaling
Logging — Clearcutting • Deforestation • Illegal logging
Mining — Acid mine drainage • Environmental impact of hydraulic fracturing • Mountaintop removal mining • Slurry impoundments
- Toxins — Chlorofluorocarbons (CFCs) • DDT • Endocrine disruptors • Dioxin • Toxic heavy metals • Environmental impact of the coal industry • Herbicides • Pesticides • Toxic waste • PCB • Bioaccumulation • Biomagnification • Environmental impact of hydraulic fracturing
- Waste — Electronic waste • Litter • Waste disposal incidents • Marine debris • Medical waste • Landfill • Leachate • Environmental impact of the coal industry • Incineration • Great Pacific Garbage Patch • Exporting of hazardous waste • Environmental impact of hydraulic fracturing

Choose one of the topics above or another of your own (teacher approval required) and write a 4-6 page (body of paper) research paper.

- Thoroughly define/explain the topic and discuss the problem as it relates to the World, U.S, CT and possibly New Britain.
- What are some of the possible ways that your chosen issue could be resolved or lessened?
- What are some of the ways that the average person can help to improve the situation/problem? Include sources the average person could use to find more information or ways to get involved with addressing the issue.

- A minimum of (2) tables, charts, illustrations, etc. must be included along with explanations of them. (These should be also referred to in the body of your paper).
- A title page must be included containing the title/topic, your name, due date, and class.
- A bibliography must be included using APA format and containing a minimum of 4 sources.

Below is a list of possible web addresses that may be useful. These are neither required nor strongly suggested but merely possible resources.

<http://www.connecticutmag.com/Connecticut-Today/April-2013/Environmental-Issues-Facing-Connecticut/>

<http://www.nature.org/ourinitiatives/regions/northamerica/unitedstates/connecticut/index.htm>

http://library.thinkquest.org/26026/Environmental_Problems/environmental_problems.html

<http://www.globalissues.org/issue/168/environmental-issues>

<http://www.buzzle.com/articles/environmental-issues/>

http://green.wikia.com/wiki/Category:Environmental_Issues

<http://www.environmentconnecticut.org/issues>

<http://www.connecticutmag.com/Connecticut-Today/April-2013/Environmental-Issues-Facing-Connecticut/>

<http://www.nature.org/ourinitiatives/regions/northamerica/unitedstates/connecticut/index.htm>

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Questions? I can be contacted at: ramsey@csgdnb.org



