



Directions: Using the internet and supplemental resources; students will pick one of the following environmental topics to research and then produce a power point presentation based on the below rubric.

Environmental Topics:

- (A) **Air Pollution** – Smog, Indoor air quality, particulate matter, sulphur oxide, tropospheric ozone, volatile organic compounds
- (B) **Water Pollution** – 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
- (C) **Noise & Visual Pollution**
- (D) **Toxins** – Chlorofluorocarbons in Ozone Depletion (CFC's), DDT, Endocrine disruptors, dioxin, toxic heavy metals, herbicides, pesticides, toxic waste, PCB, bioaccumulation, biomagnification
- (E) **Climate Changes** – Global warming, global dimming, fossil fuels, sea level rise, greenhouse effect, ocean acidification
- (F) **Waste** – e-waste, litter, waste disposal incidents, marine debris, medical waste, landfill, recycling, incineration, leachate
- (G) **Nuclear Issues** – Nuclear fallout, nuclear meltdown, nuclear power, nuclear weapons, nuclear & radiation accidents, nuclear safety, high-level radioactive waste management
- (H) **Nanotechnology** – nanotoxicology, nanopollution
- (I) **Overpopulation** – burial, water crisis, overpopulation in companion animals, overpopulation in cities (people)
- (J) **Energy**- energy conservation, renewable energy, efficient energy use, renewable energy commercialization
- (K) **Conservation** – Species extinction, pollinator decline, coral bleaching, holocene extinction, invasive species, poaching, endangered species
- (L) **Anoxic Waters** – Anoxic event, hypoxia, ocean deoxygenation, dead zones
- (M) **Environmental Health** – Indoor air quality, asthma, electromagnetic fields, electromagnetic radiation & health, lead poisoning, sick building syndrome
- (N) **Land Use** – Urban sprawl, habitat fragmentation, habitat destruction, soil erosion, soil contamination, overgrazing

Grading Rubric:

- ___ (10 pts) *Cover Slide*. (Student Name, Period, Environmental Issue)
- ___ (10 pts) *Description* of topic.
- ___ (10 pts) *Effects* on our health.
- ___ (10 pts) What currently and in the past has the *US government* done to address this issue?
- ___ (10 pts) What are we doing to address this environmental concern in *Austin, Texas*?
- ___ (10 pts) *Actions* we can take to be an “health advocate” on this issue/concern.
- ___ (10 pts) Summary of a *Research Study* on your topic.
- ___ (10 pts) *Sources/Web Sites* Listings.
- ___ (10 pts) Visuals, Charts, Pictures added to slide show presentation.
- ___ (10 pts) Presentation Quality (Information layout on slides, font, text boxes, etc).

_____ (100 pts possible) PROJECT GRADE