Cards You Should Have

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| **Laws & Regulatory Bodies & People & Events** | **Vocab & Concepts** |
| ***Nuclear & Chemical Waste***  *Nuclear Waste Policy Act*  *CERCLA (superfund)*  ***Climate Change & Air***  *Kyoto Protocol*  *Montreal Protocol*  *Clean Air Act*  ***Species Protection***  *Lacey Act*  *Endangered Species Act (ESA)*  *Fish and Wildlife Act*  *Marine Mammal Protection Act*  *Convention of International Trade in Endangered Species Act (CITIES)*  ***Water***  *Safe Drinking Water Act*  *Ocean Dumping Ban*  *Clean Water Act*  *Ocean Dumping Ban Act*  ***Pollution***  *National Environmental Policy Act (NEPA)*  *CERCLA (superfund)*  RCRA (cradle to grave)  LD50 dose response experiments  ***Energy***  *Energy Policy Act*  ***Land Management***  *Ramsar* | ***Basic Stuff***  *First Law of Thermodynamics*  *pH*  *Second Law of Thermodynamics*  *Percent change*  *Photosynthesis & cellular respiration*  GIS  *Anthropogenic*  ***Natural Selection & Community Ecology***  *Natural selection*  *Evidence of evolution*  *Generalist vs. specialist*  *Genetic Diversity*  *Species richness / biodiversity*  *Phylogenic tree*  *Artificial selection*  *Competition*  *Community*  *Primary vs secondary succession*  *Niche*  *Pioneer species*  *Ecotones and edge effect*  *Resource partitioning*  *Symbiotic relationships*  *Density-dependent factors*  *Density-independent factors*  *K-selected species*  *R-selected species*  *Ecosystems, populations, communities*  *Resistance vs. resilience*  *Restoration ecology*  *Resource partitioning*  *Endemic*  *Keystone species*  *Trophic levels (10%rule)*  *Carrying capacity*  *Survivorship*  *Biosphere*  *Habitat*  *Phytoremediation and bioremediation*  *Hierarchy of ecology*  ***Biodiversity***  *Biodiversity*  *Biodiversity Hot Spots*  *Invasive species*  *Species diversity*  *Red list*  Ecological Diversity  Eutrophication  Productivity  Dynamic equilibrium  Interspecific vs. intraspecific  Dead zone  Theory of Equilibrium of Island Biogeography |
| **People**  *Darwin*  *Nixon*  *Rachel Carson*  *Gifford Pinchot*  *Thomas Robert Malthus*  *Aldo Leopold* |
| ***Events***  *Love Canal*  *Exxon Valdez*  *BP oil spill*  *Chernobyl*  *3 Mile Island*  *Fukashima* |
| ***Cycles***  Phosphorus cycle  Hydrologic Cycle  Nitrogen Cycle  Sulfur cycle  Carbon cycle  Homeostasis  Denitrifying and nitrogen fixing Bacteria  Net Primary Production |
| ***Earth Science***  Atmospheric layers (trophosphere, stratosphere)  Geologic time  Lithosphere, hydrosphere, biosphere,  Plate boundaries  Subduction |
| ***Biomes***  Tropical rainforest  Boreal forest  Arctic Tundra  Savanna  Tropical Dry Forest  Temperate Forest  Tropical Rainforest  Desert  Tundra |
| ***Economics***  *Cost-benefit analysis*  *Externalities*  *Tax incentives*  *Tax credits* |