**POLLUTION**

1. Define pollution.
2. List 5 different types of pollution.
3. What are the 3 major resources on earth that are affected by pollution?
4. What specific pollution did the factory smoke-stacks around the great lakes area cause?
5. How does this type of pollution effect the environment?
6. Chemical wastes, illegally dumped in Northern Minnesota cause what to happen to the frogs in the area?
7. What do we call species, like the frogs in Minnesota, which show early effects of pollution?
8. Describe the process(es) that result in Eutrophication. Give 2 examples of this happening in the USA.
9. What happened to the Cuyahoga River in the late 1960s?
10. What major piece of legislation was passed 3 years later because of the Cuyahoga River incident?
11. Nuclear Energy is often touted as “clean” energy. What are the 2 major environmental issues of Nuclear energy?
12. Times Beach, MO and Love Canal, NY are two towns that had to be evacuated due to pollution.   
    Since those responsible for the pollution were either unknown or bankrupt, who paid for the cost of cleaning up those sites?  
    1. Through what legislation are funds provided for pollution clean-up of sites like these?

**LEGISLATION**

1. What was the first law written that gives a broad national framework for protecting the environment?
2. Which Act of Congress provides for the protection and preservation of both plant and animal species, and for the habitats in which they are found?
3. Which Act of Congress gives the EPA authority to regulate all hazardous wastes from the point that they are generated to their final disposal?
4. Which Act provides funding for pollution clean-up when no responsible party can be identified?
5. Which Act aims to move the USA toward greater energy efficiency and promotes the use and development of renewable energy resources and technology?
6. In what decade did most of the major environmental legislation get passed?

**Wastewater Treatment**

1. Who treats the wastewater that is generated in our area?  
   1. About how many gallons do they treat each day?
   2. About what percent of this volume is *“poop-pee water”*?
2. Under what Act does the GPSD operate?  
   1. Who regulates their discharge limits?
3. How many levels of treatment does GPSD have?
4. What happened to wastewater in the Peoria area prior to 1931?
5. What type of growth is occurring to the world human population?
6. What one factor likely contributes most to the degradation of the environment?
7. How did Peoria Disposal Company (PDC) originally begin?
8. List 4 types of samples that PDC Laboratories regularly analyzes.
9. Describe how a landfill is constructed. (you may draw to help explain)
10. Who is the 3rd most important person working at PDC Laboratories?
11. List (at least) 5 things that you can do to help the environment.