**Freshwater Pollution Guided Notes**

*Holt Environmental Science Section 5.2, pg. 131*

1. What is water pollution?

The introduction of chemical, physical, or biological agents into water that degrades the quality of the water and affects the organisms that depend on it.

1. What are the major causes of water pollution?

Industrialization and the human population explosion

1. What is point pollution? Provide one example.

Pollution that is discharged from a single source; factory

1. What is nonpoint pollution? Provide one example.

Pollution from more than one source; rain washing oil into the street and storm drains

1. Why is nonpoint pollution a more serious problem?

Hard to regulate

\*\*Leave some room here for a sketch (wastewater treatment)\*\*

1. What is sludge and how do we deal with it?

What comes out of waste water, solid material left after treatment

1. What are pathogens? List some examples.

Disease causing organisms; cholera and hepatitis

1. How can biological magnification affect polluted aquatic ecosystems?

Each organism stores toxins in its tissues and is eaten by the next consumer in the food chain

\*\*Leave some room here for sketches (biomagnifications & eutrophication)\*\*

1. What is thermal pollution and why is it a problem?

Heat added to water; it kills fish

1. What is the Clean Water Act? When was it passed?

Restore and maintain the chemical, physical, and biological integrity of the nation’s waters; 1972

1. Why will groundwater pollution be a long-lasting problem?

Pesticides and chemicals seep into groundwater

1. Where does most bottled water come from?

Filtered and treated with various chemicals