**Chapter 11, Sect 4 Highlights (Old Textbook pgs 411-418)**

**Objectives:**

1. Identify two forms of water pollution.
2. Describe methods for conserving natural resources – such as water.

**What is pollution? (pgs. 411-412)**

1. The addition of any substance that has a negative effect on water or the living things that depend on the water is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Circle the letter of each sentence that is true about water pollution.
3. It can affect surface water.
4. It cannot affect groundwater.
5. It results from human activities.
6. It does not result from natural causes.
7. The substances that cause pollution are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Is the following sentence true or false? Is it safe to bathe or swim in polluted water as long as you do not drink it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What are some types of pollutants found in water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**POINT AND NONPOINT SOURCES (pgs. 412-413)**

1. What is the difference between a point source and a nonpoint source of water pollution? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**AGRICULTURAL CHEMICALS (pg.416)**

1. Is the following sentence true or false? Fertilizers in runoff water are a point source of pollution. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**RUNOFF FROM ROADS (pg. 416)**

1. List three pollutants that are found in runoff from roads.

a.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Is the following sentence true or false? Road runoff is a nonpoint source of pollution. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**CLEANING UP POLLUTED WATER (pg. 417)**

1. Circle the letter of each sentence that describes a way that polluted fresh water is cleaned naturally.
2. Runoff waters from farm fields dilute the pollution in rivers and lakes.
3. Plants absorb metals and chemicals from lake and pond water.
4. Bacteria eat toxic chemicals and oil spills.
5. Sand and rock layers filter groundwater as it flows down through them.

**WATER SUPPLY AND DEMAND (pg. 405)**

1. Is the following sentence true or false? Water is a nonrenewable resource. \_\_\_\_\_\_\_\_\_\_.