Chapter 11: Water Quiz

**11.1: Water Resources**

1. What are the two kinds of water found on Earth?
2. Why is water considered a renewable resource?
3. What are the 3 steps in the water cycle?
4. Why has the distribution of surface water played a vital role in the development of human societies?
5. What can dramatically increase the amount of water in a watershed?
6. Where is most of the freshwater located?
7. What causes the water table to increase?
8. What forms the upper boundary of an aquifer?
9. Where is water in an aquifer stored?
10. What are examples of **permeable** and **impermeable** materials?
11. In what types of materials do productive aquifers form in?
12. Why are recharge zones considered environmentally sensitive areas?
13. What affects the size of an aquifer’s recharge zone?
14. What happens if the water table falls below the bottom of a well?

**11.2: Water Use and Management**

1. What is most of the fresh water worldwide used for?
2. In the U.S. how much of residential water is used inside the home?
3. What does water treatment remove from the water?
4. What is most of the water used in industry used for?
5. What percentage of the water used in agriculture evaporates?
6. Why are high-pressured overhead sprinklers considered inefficient forms of irrigation?
7. How do hydroelectric dams generate electrical energy?
8. What is one negative consequence of building a dam?
9. Why does water become more expensive as water sources become depleted?
10. How do drip irrigation systems work?
11. In industry today, what are the most widely used water conservation practices?
12. What are two ways that you can conserve water?
13. What are two possible solutions to the shortage of fresh water in certain areas?

**11.3: Water Pollution**

1. What are the two types of sources of water pollution?
2. What is an example of point-source pollution?
3. What does controlling nonpoint-source pollution depend to a great extent on?
4. What is the purpose of adding alum to water during the water treatment process?
5. During the water treatment process, what is the purpose of adding chlorine to water?
6. How is sewage sludge typically disposed of?
7. What are two uses of sewage sludge?
8. What are the major causes of eutrophication?
9. When can thermal pollution occur?
10. Name 3 common groundwater pollutants
11. Where does at least 85% of ocean pollution come from?