Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 10: Using Resources**

**Vocabulary**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A resource that can be replaced within a human lifetime.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A resource that cannot be replaced within a human lifetime. Once it is used up, there will be no more.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Any change to the natural environment that can harm living organisms.
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ preserving or protecting the natural resources.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 10: Using Resources**

**Lesson 1: How Do People Use Soil and Water Resources?**

**Standards: 5.3.A.a., and 5.3.A.b.**

1. What does the term “renewable resource” mean? (p. 308)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are 2 of the most important natural resources that we depend on every day? (p. 308)

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1. What are 2 of the most important renewable natural resources? (p. 308)

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1. What does the term “non-renewable resource” mean?

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1. What are 2 important energy resources that are non-renewable? (p. 309)

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1. It takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of years for coal to form from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_buried on Earth. (p. 309)
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is any change to the natural environment that can cause harm to living organisms. (p. 310)
3. Two kinds if pollution is \_\_\_\_\_\_\_\_\_\_\_pollution and \_\_\_\_\_\_\_\_\_\_pollution. (p. 310)
4. Most air pollution is caused by the burning of fuels such as \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_. (p. 310)
5. When fuel burns, it sends \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the air. (p. 310)
6. Smog is a mixture of \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is produced by factories and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 310)
7. Air pollution can be caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 310)
8. Acid rain is a mixture of rain and the chemicals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and other chemicals. (p. 310)
9. Acid rain can kill \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_when it falls into lakes. It can also damage \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and other plants. (p. 310)
10. The biggest problems caused by pollution are health related. It can irritate \_\_\_\_\_\_\_\_\_\_ and cause \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ problems. (p.310)
11. Water pollution comes from harmful substances that enter the \_\_\_\_\_\_\_\_\_\_\_\_\_ cycle. They can come from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and mines that dump waste into the rivers and lakes. (p. 311)
12. Fertilizers and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ used by homeowners and farmers also pollute groundwater. (p. 311)
13. Another source of water pollution is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 311)
14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is human waste that is usually flushed away by water. (p. 311)
15. Land can also be polluted by dumping \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in landfills. (p. 312)
16. Many materials, such as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ take a long time to break down. (p. 312)
17. Some garbage also contains harmful \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 312)

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 10: Using Resources**

**Lesson 2: How Can People Conserve Resources?**

**Standards: 5.3.A.c.**

1. **The “3 Rs” in conservation stand for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 316)**
2. **Conservation means to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (p. 316)**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_means to cut down on the amount of resources you use. (p. 316)**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_means to use the items again that you may have otherwise thrown away. (p. 316)**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_means that you can change an item into another form to be used again. (p. 316)**
6. **Soil conservation means to use ways to protect the soil. Using rows of trees or fences that stop the wind from carrying away soil is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_plowing is used to keep soil in place. This is done by planting crops along the curves of sloping land, instead of down the slopes. It prevents water from washing the soil away. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_cropping is where farmers plant strips of grass between the crops to hold the soil in place. On sloping land, \_\_\_\_\_\_\_\_\_\_\_\_\_ is used to build up level areas where the crops are planted. Crop rotation is used to protect the nutrients in the soil. This is where different crops are planted year to year. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, planting different crops near each other, prevents the need for pesticides. (p. 318-319)**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ conservation can be done by planting native grasses, flowering plants, and shrubs that don’t require a lot of water. Also, taking shorter \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is another way to conserve water buy not leaving the faucet running as long. (p. 320)**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 10: Using Resources: Study Guide**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Resources that can be replaced in a human lifetime.**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Preserving or protecting resources.**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Resources that cannot be replaced in a lifetime.**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Waste products that can change the environment.**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Exhaust that comes out of a car is a form of this.**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ An example is fresh water and sunlight.**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Turning off a light switch when you leave the room is a good practice of this.**
8. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_The gas that makes cars run is an example of this.**
9. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_forms when chemicals mix with water in the air.**
10. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is done when aluminum cans are melted to make new cans.**