Chapter 3

Earth Science Study Guide

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

1. How does a rock cool that is formed with magma and has large crystals?

Very slowly

1. What type of rock has layers and is made from small grains? Sedimentary
2. How do rocks become part of the soil? They break into small pieces
3. As plant and animal remains rot, they become humus. What does humus add to soil? Nutrients
4. What likely causes a valley to form? flowing river water
5. What causes erosion? Wind, water, and gravity
6. What is the difference between a mountain and a hill? Hills are not as high as mountains
7. Erosion caused by gravity can result in landslides.
8. What causes a slow change to Earth’s surface? Weathering
9. An Earthquake is shaking of the ground caused by a sudden shift in Earth’s crust?
10. What happens during a volcanic eruption? Lava flows onto Earth surface
11. What are properties of soil? Color and texture, ability to hold water, ability to support a plant
12. Which type of soil allows water to pass through the fastest? sand
13. Which property or group of properties can be used to classify soil? Color and texture, ability to hold water, ability to support a plant
14. How does humus affect the growth of plants? Humus helps plants grow by providing nutrients