

Name: Key

Unit 2 Study Guide

1. Wind and water change the shape of rocks over time.
2. True or False: Weathering is when rock pieces are moved from place to place. Erosion
3. True or False: Acidic groundwater forms limestone caves.
4. Erosion over a long period of time formed the Grand Canyon.
5. True or False: Abrasive nature of seawater causes the rocks to erode over a long period of time.
6. What is oxidation?

When oxygen has chemically reacts with minerals in the rock. - a chemical reaction of oxygen - source of chemical weathering

7. Sediment is formed by Weathered rock.
8. Cutting down trees increase erosion.
9. What causes a delta to form?

When water slows down and deposits sediment at the mouth of a river.

10. Sand dunes are an example of deposition.
11. Horizon O is composed mostly of decaying organic matter.
12. Soil is a dark brown or black color because of humus.
13. Soil provides nutrients in order for plants to grow.

14. What is the definition of soil?

Consist of weathered rocks, decaying organic material, water, and air.

15. What property determines how water moves through soil?

Size of particles - pore space

16. Describe clay and its ability to hold water.

Clay is reddish in color and absorbs water causing it to most sticky.

17. Draw a picture representing what gravel, sand, silt, and clay look like with water.



Water flows through



Sand  
"Largest" particle

absorbs water for plants to grow

Silt

absorbs too much water making it sticky. "plants die here."

Clay

- invisible "smallest particle"

18. Which soil type will plants grow better in? Sand, Clay, or Silt?

Silt or loam

19. What type of organisms are found in Horizon O "Organic"?

Worms, bacteria, fungi, snails, moles, grubs, and vegetation.

20. How could people decrease erosion of earth's surface?

Human interference with land frequently causes erosion. People can allow natural vegetation

21. What is an example of human activity increasing beach erosions? to grow

Building structures on dunes.

22. How do trees help reduce soil erosion?

Tree roots firmly hold the soil in place preventing it from being washed away.

23. What is the difference between soil conservation and soil erosion?

Soil erosion is caused by cutting down trees to clear land. Conservation

24. What are some examples of ways we use water in our homes?

brush our teeth, run the dishwasher, flush toilet, wash clothes, and take showers. helps hold soil in place with the trees.

25. How can we conserve instead of polluting the air?

Walk, ride a bike, car pool, take a bus to school.

26. What are soil barriers?

they keep soil from moving to prevent erosion.

27. What is one way you and your family can help conserve water at home?

Turning off the faucet while brushing your teeth.  
Fix leaky faucets.

28. True or False? Run water while brushing your teeth conserves water?

29. What are ~~three~~ four methods of conserving soil?

- Terracing
- minimizing plowing
- plant crops on slopes
- Using barriers to block wind.

30. What is the MOST effective way to save water in your home?

Run only full loads in the washing machine and dish washer.