



Geology: Our Changing Earth Pre/Post-Visit Assessment

Name _____

Date _____

Instructions: Read each question carefully and choose the one best answer. Circle the letter of your choice.

1. The Earth changes:
 - a. fast
 - b. slow
 - c. fast and slow
 - d. The Earth doesn't change.

2. What causes the Earth to change?
 - a. water and acid
 - b. people and plants
 - c. earthquakes and volcanoes
 - d. all of the above

3. _____ occurs when rocks or soil are carried away from one place to another.
 - a. intrusion
 - b. weathering
 - c. erosion
 - d. hardening

4. Rocks are broken up into three major groups:
 - a. magma, metamorphic, and minerals
 - b. igneous, metamorphic, and sedimentary
 - c. sedimentary, sand, and igneous
 - d. sand, mud, and silt

5. The rock that makes up Oregon cave is primarily marble, a metamorphic rock. This rock was formed when it was put under tremendous _____ and _____.
 - a. heat and pressure
 - b. ozone and pollution
 - c. chemicals and weathering
 - d. erosion and drought



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6. Rocks formed from *heat* such as hot lava erupting from a volcano and then cooling is an example of an/a _____ rock.
 - a. igneous
 - b. metamorphic
 - c. sedimentary
 - d. shale

7. The marble of Oregon Caves was once limestone. This rock is made of *layers* of sea creatures and through *pressure* was turned into limestone. Which rock is it?
 - a. igneous
 - b. sedimentary
 - c. metamorphic
 - d. pebbles

8. Rocks are important because they are can be used for _____.
 - a. tools
 - b. building
 - c. habitats
 - d. all of the above

9. Which action can be used to protect soil and prevent erosion?
 - a. grazing cattle on a steep hillside
 - b. planting trees and grass
 - c. cutting trees
 - d. trampling stream banks

10. How does Oregon Caves protect geological resources?
 - a. By teaching preservation and protection of natural resources.
 - b. By participating in and encouraging recycling programs.
 - c. By requiring people to leave rocks and animals where they are found.
 - d. all of the above



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Answer Key

1. The Earth changes:
c. **fast and slow**

2. What causes the rocks at Oregon Caves to change?
d. **all of the above**

3. _____ occurs when rocks or soil are carried away from one place to another.
c. **erosion**

4. Rocks are broken up into three major groups:
b. **igneous, metamorphic, and sedimentary**

5. The rock that makes up Oregon cave is primarily marble, a metamorphic rock. This rock was formed when it was put under tremendous _____ and _____.
a. **heat and pressure**

6. Rocks formed from *heat* such as hot lava erupting from a volcano and then cooling is an example of an/a _____ rock.
a. **igneous**

7. The marble of Oregon Caves was once limestone. This rock is made of *layers* of sea creatures and through *pressure* was turned into limestone. Which rock is it?
b. **sedimentary**

8. Rocks are important because they are can be used for _____.
d. **all of the above**

9. Which action can be used to protect soil and prevent erosion?
b. **planting trees and grass**

10. How does Oregon Caves protect geological resources?
d. **all of the above**

Adapted from Shenandoah National Park Education Program, Education Program Pre-Visit/Post-Visit Assessment Score Sheet, http://www.nps.gov/shen/forteachers/upload/geology_unit.pdf, 2006