

NAME: _____

DATE: _____

Earth's Building Blocks

Answer each question thoughtfully, citing the page number(s) where you found evidence for each question. Answer in complete sentences and restate the question in your answer whenever possible.

1. How might rocks differ from each other?

Page(s) _____

2. How does igneous rock form?

Page(s) _____

3. Which statement distinguishes between the two basic types of igneous rock?
- A. Two igneous rocks are granite and basalt.
 - B. Different rocks have different size grains and different textures.
 - C. One type forms on Earth's surface and the other forms below Earth's surface.
 - D. The slower the rock cools and hardens, the larger its mineral grains will be.

Answer _____

Page(s) _____

4. How does a sedimentary rock form?

Page(s) _____

5. How does metamorphic rock form?

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6. What is the rock cycle?
- A. the continuous process of volcanoes erupting
 - B. the continuous process of change in which rocks are created, destroyed, and recreated
 - C. the continuous process of sedimentary rock changing to become igneous rock
 - D. the continuous process of mineral grains making rocks smooth and shiny

Answer _____

Page(s) _____

Complete the following items after you have finished reading the chapter. Match the following words with the correct definitions and examples. You may use some words more than once. Try to think of the answer to each item first from memory and then check back in the text to verify your answer before filling in the blank.

minerals	limestone	erosion
sedimentary rock	igneous rock	metamorphic rock

7. **Word:** _____

Definition: any process or force that moves sediments to new locations

Page(s) _____

8. **Word:** _____

Definition: a rock that forms when magma cools and solidifies; the most abundant class of rocks

Page(s) _____

9. **Word:** _____

Definition: the building blocks of rocks that consist of solid, nonliving substances

Page(s) _____

10. **Word:** _____

Definition: a type of sedimentary rock that often has many fossils and shells of tiny ocean creatures

Page(s) _____

11. **Word:** _____

Definition: a type of rock that forms when either igneous or sedimentary rock is changed due to extreme heat and pressure

Page(s) _____

12. **Word:** _____

Definition: a type of rock made of tiny bits of rock and sand mixed with small pieces of things that were once alive

Page(s) _____

13. **Word:** _____

Examples: basalt, granite, and obsidian are examples of this class of rock

Page(s) _____

14. **Word:** _____

Examples: serpentine, marble, and gneiss are examples of this class of rock

Page(s) _____

15. **Word:** _____

Examples: sandstone, limestone, and mudstone are examples of this class of rock

Page(s) _____