

Heat and Pressure Transform Rocks

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Understanding Metamorphic Rocks

Name: _____

Date: _____

Answer the following questions about how heat and pressure transform rocks.

1. What makes metamorphic rocks special?

- A. They are formed from lava
- B. They are created under heat and pressure
- C. They are made of only one type of mineral

2. Metamorphic rocks form deep underground where intense heat and ____ change existing rocks.

3. What did our crayon experiment demonstrate about rock transformation?

4. Draw a line from each process to its effect on rocks.

Heat

Changes texture

Pressure

Changes composition

5. What does Job 28:5 tell us about the earth?

- A. It produces bread
- B. It is flat
- C. It is made of water

6. Rocks can change form with heat and ____.

7. How might rocks be like people that God transforms?

8. Where do metamorphic rocks form?

- A. On the surface
- B. In the ocean
- C. Deep underground

9. Match the type of rock to its formation process.

Metamorphic

From heat and pressure

Igneous

From lava cooling

10. What other things in nature change over time?

Answer Key

1. They are created under heat and pressure 2. pressure 3. It showed how heat can change the crayons like it changes rocks. 4. Changes texture 5. It produces bread 6. pressure 7. Both can change and become better with challenges. 8. Deep underground 9. From heat and pressure 10. Trees grow, seasons change, and animals adapt.

