

Weathering: Breaking Down Rocks

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Understanding Earth's Geological Transformations

Name: _____

Date: _____

Answer the following questions based on what you learned about weathering and the breakdown of rocks.

1. What is mechanical weathering?

- A. Chemical changes in rocks
- B. Physical breaking of rocks
- C. Weathering caused by plants

2. Water can cause rocks to break down through the process of ____.

3. How do plant roots affect rocks during weathering?

4. Chemical weathering involves physical changes in rocks.

- True False

5. Which of the following is an example of chemical weathering?

- A. Ice wedging
- B. Rusting of iron
- C. Roots growing in soil

6. What are the two main types of weathering discussed in the lesson?

7. A mountain can fall and crumble away, illustrating the effects of ____.

8. Natural forces play a role in the weathering of rocks.

- True False

9. What happens to rocks when they are weathered over time?

- A. They become more solid
- B. They break down into smaller pieces
- C. They change color

10. Why is it important to recognize God's design in geological transformations?

Answer Key

1. Physical breaking of rocks 2. weathering 3. Plant roots can grow into cracks in the rocks, causing them to break apart over time. 4. False 5. Rusting of iron 6. The two main types of weathering are mechanical weathering and chemical weathering. 7. weathering 8. True 9. They break down into smaller pieces 10. It helps us appreciate the complexity and beauty of His creation, including how the earth is shaped.