

Name

Mechanical Weathering Practice Worksheet

1. When water freezes in cracks of rocks and causes the rocks to break apart, the process is known as abrasion.
 - a. TRUE
 - b. FALSE

2. The chemical composition of a substance remains the same during the process of mechanical weathering.
 - a. TRUE
 - b. FALSE

3. Mechanical weathering produces clay minerals.
 - a. TRUE
 - b. FALSE

4. Mechanical weathering breaks down existing rocks by
 - a. Incorporating them into new rocks
 - b. Changing them physically, but not chemically
 - c. Changing them chemically and physically
 - d. Changing them chemically, but not physically

5. Mechanical weathering is a _____.

- a. Physical process
- b. Mathematical process
- c. Biological process
- d. Chemical process

6. Ice wedging occurs most in _____.

- a. High mountains
- b. Boreal forests
- c. Equatorial areas
- d. Tundra

7. Frost wedging alters the internal structure of minerals and causes chemical weathering of rocks.

- a. TRUE
- b. FALSE

8. Put the steps of ice wedging in order.

- I. water freezes
- II. Water seeps into cracks
- III. Frozen water expands the rock
- IV. Water thaws and over time the rock breaks into pieces.

- a. II, III, I, IV
- b. IV, II, I, III
- c. II, I, III, IV
- d. IV, III, II, I

9. Abrasion and ice wedging are types of chemical weathering.

- a. TRUE
- b. FALSE

10. Heat, temperature and pressure all affect the rate and significance of mechanical weathering.

- a. TRUE
- b. FALSE