


1. What is weathering?

- A. A process that breaks down rocks into smaller pieces
- B. A shift in weather patterns
- C. The process by which mountains are formed
- D. The process by which the seasons change

2. How might a weathered mountain appear different from an unweathered mountain?

- A. The weathered mountain would be taller
- B. The weathered mountain would appear rounder in shape
- C. The weathered mountain would appear more jagged
- D. The weathered mountain would contain fewer trees

3.  What can you infer about ice from the information presented in the movie?

- A. It usually causes chemical weathering
- B. It expands as it freezes
- C. It barely causes weathering at all
- D. It does not exert pressure on rocks

4. How is mechanical weathering different from chemical weathering?

- A. Chemical weathering happens over a much shorter time frame than mechanical weathering
- B. Chemical weathering occurs in the tropics; mechanical weathering occurs in temperate climates
- C. Chemical weathering occurs in mountains; mechanical weathering occurs on flat surfaces
- D. Chemical weathering changes the chemical composition of materials; mechanical weathering does not

5. What might cause mechanical weathering?

- A. Acid rain
- B. Violent earthquakes
- C. Growing plants and expanding ice
- D. Volcanic eruptions

6. What impact does weathering have on soil formation?

- A. Chemical weathering adds helpful chemicals to the soil
- B. Rocks are broken down into smaller pieces, and finally into sediment
- C. Mechanical weathering adds ice to the soil, which turns into water
- D. Volcanic eruptions contribute metamorphic rocks to the soil

7. What types of rocks are formed by weathering?

- A. Metamorphic rocks
- B. Igneous rocks
- C. Sedimentary rocks
- D. Volcanic rocks

8. How long does the weathering process take?

- A. A few days
- B. No more than a month
- C. Exactly one year
- D. Years and years

9. Carbonic acid is a mixture of:

- A. Water and carbon dioxide
- B. Calcite and quartz
- C. Oxygen and hydrogen
- D. Water and limestone

10.  What process hollows out limestone caves?

- A. Mechanical weathering
- B. Chemical weathering
- C. Spatial weathering
- D. Cave weathering