

Directed Reading A – 10.1 - **Answers**

Section: Weathering

1. What is the process of weathering?

Weathering is the process by which rock material is broken down by the action of physical or chemical processes.

MECHANICAL WEATHERING

- D** 2. Mechanical weathering is the breakdown of rock into smaller pieces by
a. warm weather.
b. cold weather.
c. chemical processes.
d. physical means.
- A** 3. Ice, wind, water, gravity, plants, and animals can all be agents of
a. mechanical weathering.
b. chemical weathering.
c. chemical processes.
d. abrasion.
- A** 4. The alternate freezing and thawing of soil and rock is called
a. frost action.
b. abrasion.
c. oxidation.
d. chemical processes.
- C** 5. Ice wedging occurs when water filling a crack in a rock
a. flows out and then freezes.
b. freezes and contracts.
c. freezes and expands.
d. flows out and causes abrasion.
6. The grinding and wearing away of rock surfaces through the mechanical action of other rocks or sand particles is called **abrasion**.
7. Rocks that have been shaped by blowing sand are called **ventifacts**.

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