

**Ch. 3 Lesson 1 Review**

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1) Which is true of oxidation? FSAS SC.6.E.6.1

- A) It is a physical process.
- B) No change occurs in the makeup of rock.
- C) Rocks weather at different rates.
- D) Water freezes in cracks in rock.

2) Students collected and recorded the pH of four samples of rainwater in the table below. Which sample is the most acidic? FSAS SC.6.E.6.1

Rain sample	pH
1	5.3
2	4.7
3	5.5
4	4.3

- A) 1
- B) 2
- C) 3
- D) 4

3) Which is **NOT** a cause of physical weathering? FSAS SC.6.E.6.1

- A) A mole burrows underground.
- B) A plant grows into a crack in a rock.
- C) Rainwater dissolves a stone statue.
- D) Waves break along a shoreline.

4) In areas where freezing and thawing occur frequently, why do rocks experience mechanical weathering?

- A) water oxidizes with air
- B) water expands when it freezes
- C) water leaches through the rocks
- D) water evaporates as the temperature lowers

5) In Earth science, what does the term *weathering* refer to?

- A) formation of the three major rock types
- B) breakdown of rocks by different processes
- C) changes in the weather due to the seasons
- D) rising and lowering tides during the day and night