

Name _____

Date _____



Dig This! Erosion Investigation Proficiency Assessment



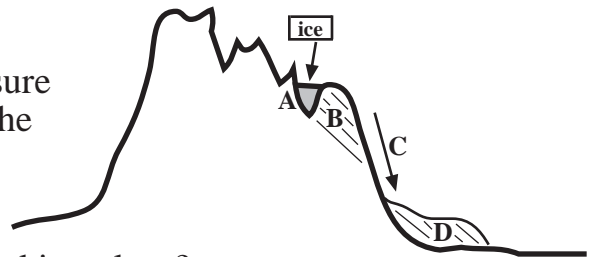
Directions: Multiple choice and extended multiple choice.

1) Geologic erosion moves at a slow and creeping pace. In a lifetime natural processes cause soil build-up that is scarcely noticeable. How does human activity, such as farming, development, and construction, affect the rate of the erosion process?

- a) Human activity tends to slow the rate of erosion.
- b) Human activity does not alter the rate of erosion.
- c) Human activity accelerates the rate of erosion slightly.
- d) Human activity accelerates the rate of erosion significantly.

Directions: Use the following diagram and informational paragraph to answer questions 2-9.

Water fills a crack on the side of a mountain. The water freezes and expands, exerting pressure on area B. Precipitation and wind also cause the weathered rock material to be transported and deposited in area D.



2-3) At which point on the picture is sedimentation taking place?

- a) point A
- b) point B
- c) point C
- d) point D

Explain _____

4-5) At which point on the picture is erosion taking place?

- a) point A
- b) point B
- c) point C
- d) point D

Explain _____

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(continued)



Directions: Short Answer.

6-8) Name and describe three forces involved in the erosion of the mountain in the diagram.

Force #1 _____

Force #2 _____

Force #3 _____

Directions: Multiple choice.

9) What erosion force is represented by arrow C?

- a) splash
- b) fluvial
- c) gravity
- d) slope

10) Erosion processes have negative effects on

- a) air quality
- b) water quality
- c) plant growth
- d) all of the above