

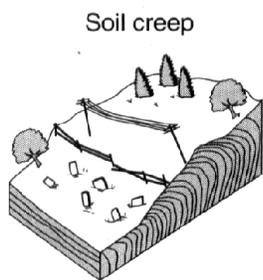
1. Which erosional force acts alone to produce avalanches and landslides?

- A) gravity
- B) winds
- C) running water
- D) sea waves

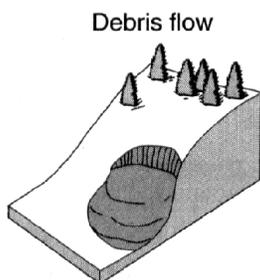
2. Which factor has the greatest influence on the weathering rate of Earth's surface bedrock?

- A) local air pressure
- B) angle of insolation
- C) age of the bedrock
- D) regional climate

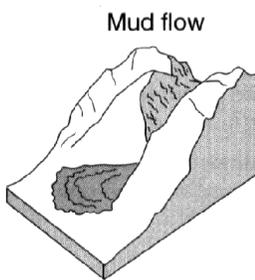
3. The diagrams below represent four different examples of one process that transports sediments.



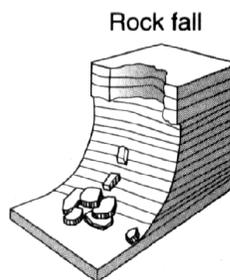
Soil creep  
Gradual downhill movement of soil



Debris flow  
Rapid downslope flow of debris



Mud flow  
Downward flow of fine particles (mud) and large amounts of water



Rock fall  
Rapid falling of pieces of rock from a cliff or steep slope

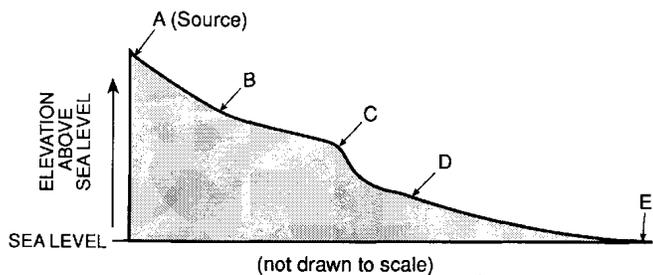
Which process is shown in these diagrams?

- A) chemical weathering
- B) wind action
- C) mass movement
- D) rock abrasion

4. In hot, wet climates, bedrock rapidly weathers into soil because water

- A) dissolves many minerals
- B) expands when it freezes
- C) is part of most chemical compounds
- D) cools the surroundings when it evaporates

5. Base your answer to the following question on the diagram below, which represents a profile of a stream. Points A through E are locations along the stream.



The primary force responsible for the flow of water in this stream is

- A) solar energy
- B) magnetic fields
- C) wind
- D) gravity