

Bell Ringer

1-15

Ch 5: Weathering & Soil

Ch 6: Running Water, Streams, and Groundwater

5.1 Weathering

- 1) Which of the following weathering processes involves the constant freezing and thawing of water?
- a. unloading**
 - b. exfoliation**
 - c. frost wedging**
 - d. spheroidal weathering**

5.1 Weathering

- 2) Which of the following is NOT a cause of mechanical weathering?
- a) **Dissolving**
 - b) **frost wedging**
 - c) **Unloading**
 - d) **burrowing**

5.1 Weathering

- 3) When a rock is exposed to chemical weathering, it
- a) **changes into one or more new compounds.**
 - b) **breaks into tiny pieces.**
 - c) **splits.**
 - d) **loses its outer layers.**

6.1 Running Water

- 4) The process by which water changes from a gas to a liquid is
- a) **condensation.**
 - b) **evaporation.**
 - c) **precipitation.**
 - d) **transpiration.**

6.1 Running Water

- 5) The ability of a stream to erode and transport material depends largely on its
- a) **width.**
 - b) **location.**
 - c) **velocity.**
 - d) **length.**

6.1 Running Water

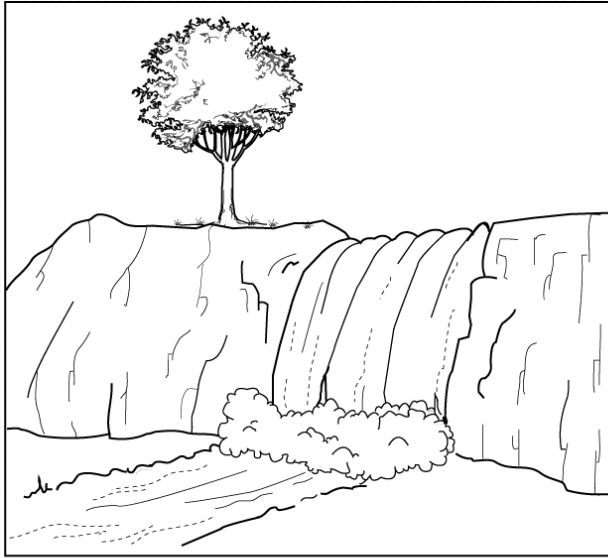
6) How does water move from plants to the atmosphere?

- a) **Infiltration**
- b) **Evaporation**
- c) **Transpiration**
- d) **condensation**

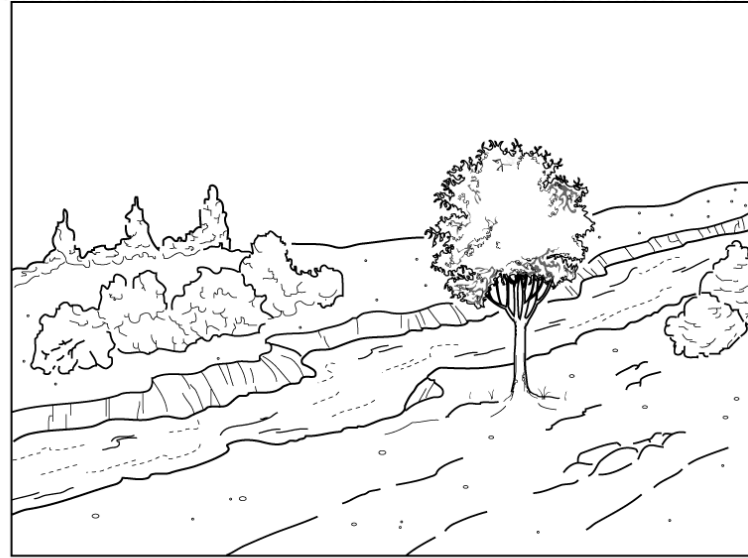
6.2 The Work of Streams

- 7) By what process do streams and rivers move material?
- a) **Weathering**
 - b) **Infiltration**
 - c) **mass wasting**
 - d) **erosion**

6.2 The Work of Streams



A.



B.

8) In what stage of its life cycle is river A?

- a) Young
- b) Mature
- c) Old
- d) All stages

6.3 Water Beneath the Surface

- 9) The upper layer of saturated rock is the
- a) **zone of aeration.**
 - b) **hydrosphere.**
 - c) **water table.**
 - d) **well.**

6.3 Water Beneath the Surface

10) Which of the wells shown will be able to pump water?

- a) F only
- b) G only
- c) Neither well
- d) Both F & G

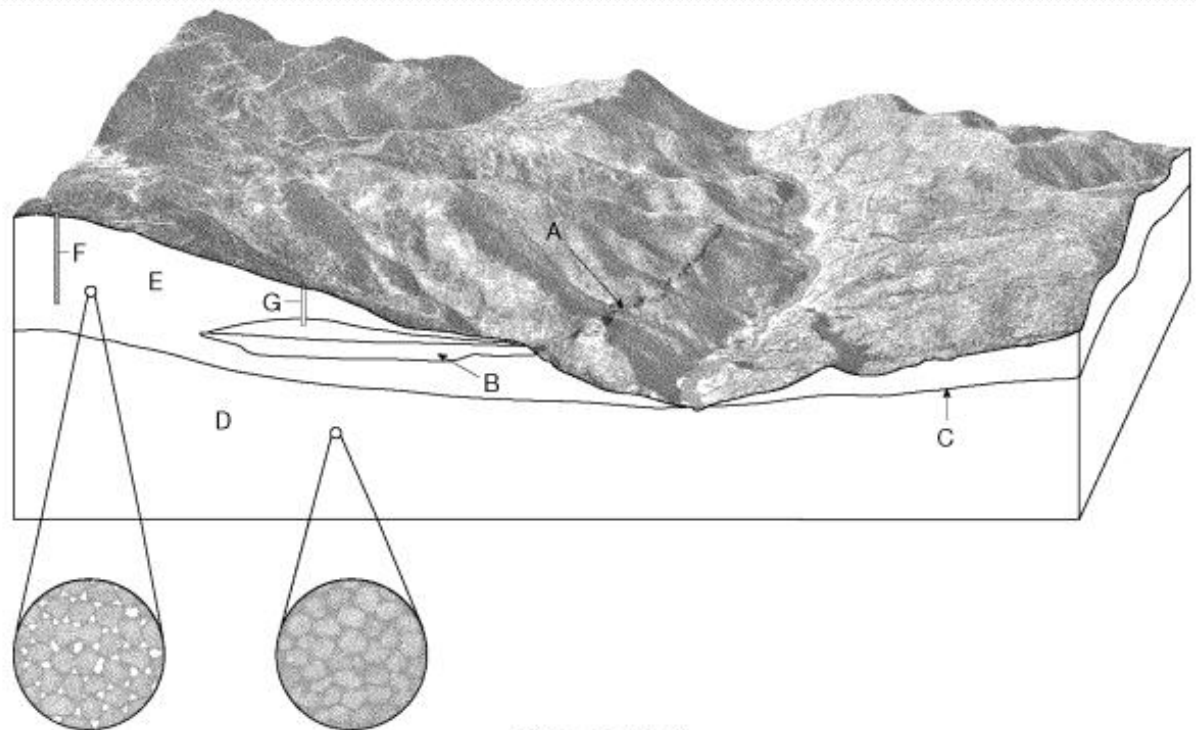


Figure 6-2

6.3 Water Beneath the Surface

11) Where is the zone of saturation located?

- a) E
- b) D
- c) C
- d) A

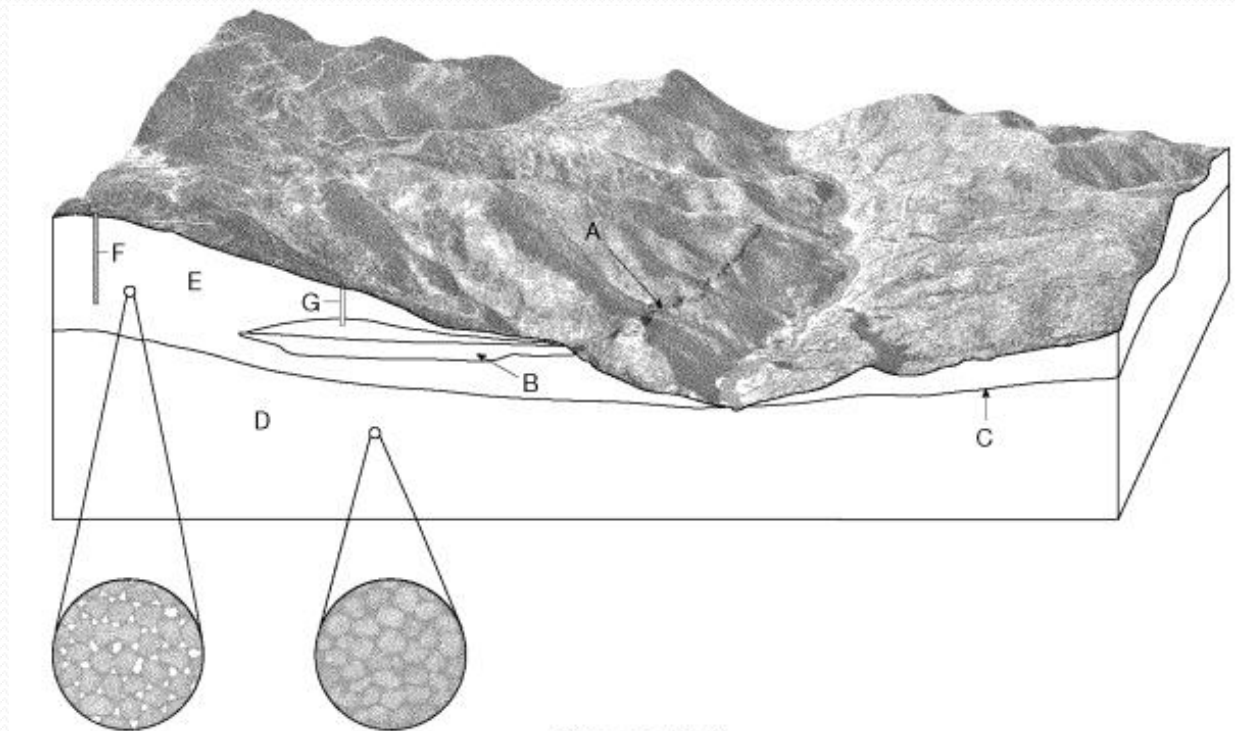


Figure 6-2

5.2 Soil

12) Compared to past rates of soil erosion, the current rate is

- a) **lower.**
- b) **about the same.**
- c) **higher.**
- d) **impossible to determine.**