

Lesson 8.01 Practice Text Only Version

1. Which of the following agents causes the greatest amount of soil erosion?

Answer: water

Feedback: Water intensity/how fast it is moving, type of soil, the slope/topography of the land, and type of vegetation present all contribute to how water erodes soil.

2. Which agent of erosion is when snow and ice builds up and slowly moves over land masses in mountainous areas and at the north and south poles?

Answer: glaciers

Feedback: Glaciers move across land masses as a result of gravity.

3. Which type of water erosion is caused by droplets of falling rain colliding with the soil causing it to be moved or displaced a short distance?

Answer: Rain splash

Feedback: Rain splash is a result of rain colliding with soil and is the least harmful type of water erosion to soil.

4. Which of the following ways does wind move small particles of sand that enter the atmosphere after being dislodged and can be carried long distances by the winds in the atmosphere?

Answer: Suspension

Feedback: Wind can cause small particles to become suspended in the atmosphere and travel great distances where they are deposited.

5. What type of water erosion occurs when water travels in small channels causing soil erosion as it moves?

Answer: Rill erosion

Feedback: The faster the water travels in these small channels, the more soil erosion occurs.

6. What is the permanent destruction of forestland to make it available for other uses called?

Answer: deforestation

Feedback: Deforestation can occur because of clear-cutting, mining, and clearing land for farming.

7. What is it called when wind causes medium sized particles to become dislodged from the soil and bounce across the land dislodging other soil particles?

Answer: Saltation

Feedback: Saltation can cause medium sized particles to dislodge and bounce across the ground dislodging other smaller and larger particles.

8. This occurs when areas that are not in desert climates begin to have desert like conditions

Answer: desertification

Feedback: When the land is not properly taken care of and is stripped of vegetation, the soil becomes susceptible to the effects of erosion and can be washed or blown away.

9. The process by wind causes large soil particles to slide across the ground

Answer: soil creep

Feedback: Large particles are most often dislodged by saltation and the wind is able to slide them across the ground moving them from one place and depositing them in another location.

10. What is the uniform removal of soil over a large area by rain water moving across it?

Answer: Sheet erosion

Feedback: In sheet erosion, water does not travel down a slope in a channel. The effects of sheet erosion can go undetected for many years because it occurs over such a large area.

11. What type of erosion occurs when rain water travels over land in large channels down a slope?

Answer: Gully erosion

Feedback: In gully erosion, water travels in large channels causing the soil to be washed away by erosion

12. ___ is an agent of erosion that causes soil particles to move down hills or slopes.

Answer: Gravity

Feedback: Gravity is the force on earth that pulls objects toward it aiding in erosion.