



5. Some greedy businessman mixes the small stones with the grains to increase the weight and earn extra profit. But at home a process of separation is used to ensure that no stone remains with the grain. What is the process that is used for the separation of stone from grain?

- (A) Sieving (B) Winnowing
(C) Hand picking (D) Filtering
(E) None of these

6. Steve took an apple and kept it in the soil. He continuously monitored the place and found that it was completely mixed and disappeared in the soil. Which one of the following is possible reason for the same?

- (A) It disappeared because of the action of decomposers.
(B) It disappeared because of the action of insects.
(C) It disappeared because of the action of wind.
(D) It disappeared because of the action of soil.
(E) None of these

7. Green leaves release excess water into the atmosphere in the form of water vapour. What is the name of the process of releasing excess water into the atmosphere?

- (A) Evaporation (B) Condensation
(C) Transpiration (D) All of these
(E) None of these

8. Jack has four balls of equal mass: iron ball, glass ball, wooden ball, and aluminum ball. In which ball he needs to apply more energy to throw?

- (A) Wooden ball
(B) Aluminum ball
(C) Iron ball
(D) Glass ball
(E) None of these

9. One of the Abiotic components present in the environment is air. The major components of the air are Nitrogen, Oxygen, Argon, and Carbon dioxide. Select the option that shows the correct order of percentage of each component in the air in decreasing order that is the component with highest percentage is written first and that with lowest is written last.

- (A) Nitrogen → Oxygen → Argon → Carbon dioxide
(B) Oxygen → Nitrogen → Argon → Carbon dioxide
(C) Nitrogen → Argon → Oxygen → Carbon dioxide
(D) Carbon dioxide → Oxygen → Nitrogen → Argon
(E) None of these

10. Given below the two statements:

Statement A: Matter and energy flow between organisms and physical environment.

Statement B: Living organisms, such as producers and consumers are abiotic factors present in the environment.

Which one of the following is correct with regard to above statements?

- (A) Only Statement A is correct.
(B) Only Statement B is correct.
(C) Both Statement A and Statement B are correct.
(D) Both Statement A and Statement B are incorrect
(E) None of these

11. At what trophic level in the food chain does the autotrophs are present.

- (A) First trophic level
(B) Second trophic level
(C) Third trophic level
(D) Fourth trophic level
(E) None of these



12. You may have seen that when some part of your body is injured, the blood flows out very fast initially, but after 2-3 minutes it coagulates to form a blood clot. Which component of the blood is responsible for this blood clotting?

- (A) Red blood cells
- (B) Blood platelets
- (C) White blood cells
- (D) Blood plasma
- (E) None of these

13. Which of the following parts of brain controls involuntary actions?

- (A) Cerebrum
- (B) Cerebellum
- (C) Medulla oblongata
- (D) Brain is not involved at all
- (E) None of these

14. Silk saree is very famous among females. The process of making silk is very time

consuming and involves greater effort. What kind of fiber silk is?

- (A) Natural fiber
- (B) Synthetic fiber
- (C) General fiber
- (D) Simple fiber
- (E) None of these

15. Which one of the following is true for a person inhaling air?

- (A) The diaphragm is in flattened state that enlarges the chest cavity allowing air to rush into the lungs.
- (B) The diaphragm is dome shaped that enlarges the chest cavity allowing air to rush into the lungs.
- (C) The alveoli becomes flattened to allow air to rush into the lungs
- (D) The alveoli becomes dome shaped to allow air to rush into the lungs
- (E) None of these



ANSWERS

1. (A) 2. (B) 3. (A) 4. (D) 5. (C) 6. (A) 7. (C) 8. (C)
9. (A) 10. (A) 11. (A) 12. (B) 13. (C) 14. (A) 15. (A)