

Multiple choice questions

1. The simplest food produced during photosynthesis is
(a) Starch (b) cellulose (c) glucose (d) sucrose
2. Which one is not a parasite
(a) Lice (b) leech (c) alga (d) cuscuta
3. Which of the following show symbiosis
(a) Alga and fungus (b) alga and fish (c) fungus and amoeba (d) cuscuta and alga
4. Tiny pores present on the surface of a leaf for the exchange of gases.
(a) Pseudopodia (b) villi (c) stomata (d) veins
5. An example of insectivorous plant.
(a) Cuscuta (b) fungi (c) pitcher plant (d) alga

Fill in the blanks

1. In the _____ containing partner is an alga and fungus
2. The food synthesized by plants is stored as _____.
3. The food factories of the _____ plants are their leaves
4. Chlorophyll helps the plants to absorb energy from the _____
5. Rhizobium bacteria is a _____-fixation bacteria.
6. During _____, Plants take in oxygen and release _____.
7. Saprotrophs are the organisms that depend on _____ and _____ plant and animal matter for nutrition.
8. Nitrogen is the mineral needed by plants to make proteins

Answer the following

1. What are complete parasite and partial parasite? Give examples.
2. Give a description of the process of synthesis of food in green plants.
3. Draw a diagram showing photosynthesis and structure of a stomata.
4. The organ A of a tree have large number of tiny pores called B on their surface. Each pore is surrounded by a pair of cells called C. The opening and closing of pores in A is controlled by C. The gas D present in air enters the organs A through pores B and utilized in food making process E. The gas F produced during process E goes out through the same pores B. What is A, B, C, D, E and F.
5. What name is given to the relationship between an alga and fungus to form lichens?
6. What all things can fungi destroy?
7. How does the heat from the sun reach the earth?
8. Describe the blowing of sea breeze and land breeze in coastal area
9. What kinds of clothes should be worn in summers and why?
10. How does the heat from the sun reach the earth?
11. A person seating in front of a room heater feels hot. Name the process by which heat is transferred?
12. What is the freezing point and boiling point of water in Fahrenheit scale?
13. What is meant by good conductor of heat? Give two examples of conductors of heat.
14. Why is frying pan made of metal but the handle is made of plastic or wood?
15. Define temperature? Name the device used to measure temperature.
16. Why does the mercury level do not fall down when a thermometer is taken out from the mouth?
17. What is heat transfer? Name three modes of heat transfer.
18. What are indicators? Give examples.
19. Write the properties and uses of acids.
20. Write the properties of bases.
21. Why does a curry stain on white shirt turn red when washed with a soap?