## Chapter-1 Worksheet- 2

- 1. ..... gas is absorbed from the atmosphere during photosynthesis.
- 2. ..... element is needed in addition to carbon, hydrogen and oxygen to make protein.
- 3. Leaves are called the ..... of plants.
- 4. The openings present on the surface of leaves are protected by cells called .....
- 5. Lichen is a saprophytic plant. State True/False.
- 6. Sunlight, chlorophyll, carbon dioxide, water and minerals are raw materials essential for photosynthesis. Do you know where they are available? Fill in the blanks with the appropriate raw materials.
  - (a) Available in the plant: .....(b) Available in the soil: .....(c) Available in the air: .....
  - (d) Available during day : .....
- 7. Which of the following statements is/are correct?
  - (i) All green plants can prepare their own food.
  - (ii) Most animals are autotrophs.
  - (iii) Carbon dioxide is not required for photosynthesis.
  - (iv) Oxygen is liberated during photosynthesis.

choose the correct answer from the options below:

- (a) (i) and (iv)(b) only (ii)
- (c) (ii) and (iii)
- (d) (i) and (ii)
- 8. Pitcher plant traps insects because it
  - (a) is a heterotroph
  - (b) grows in soils which lack in nitrogen
  - (c) does not have chlorophyll
  - (d) has a digestive system like human beings
- 9. When we observe the lower surface of a leaf through a magnifying lens, we see numerous small openings. Which of the following is the term given to such openings
  - (a) Stomata
  - (b) Lamina
  - (c) Midrib
  - (d) Veins
- 10. In the absence of photosynthesis, life would be impossible on earth. Is it true or false?
- 11. Insectivorous plants have one or the other specialised organs to catch their prey. What is that organ?
- 12. What do you understand by nutrition?

- 13. What is the function of guard cells of stomata?
- 14. Farmers spread manure of fertilisers in the field or in gardens, etc. Why are these added to the soil?
- 15. A cell is formed of many sub-components. Identify different constituents of the cell. Are animal and plant cells similar?
- 16. Differentiate between parasites and saprotrophs.
- 17. Different modes of nutrition have been observed in plants. What are they? Give example of each.
- 18. Describe the method for replinishing the soils with minerals and other essential constituents used by plants growing in those soil by farmers.
- 19. What is a symbiotic relationship? Explain with the help of a tree and fungi.
- 20. Give two examples for each of the following:
  - (a) Parasites
  - (b) Autotrophs
  - (c) Saprophytes
  - (d) Insectivorous plants
  - (e) Leguminous plants