

Science Worksheet Grade X

Life Processes

Fill in the Blanks

1. The whole process by which an organism obtains its food is referred to as \_\_\_\_\_.
2. \_\_\_\_\_ manufacture their food from inorganic substances in the presence of energy derived from the oxidation of simple inorganic compounds of iron, sulphur etc.
3. The process of utilization of absorbed food is known as \_\_\_\_\_.
4. Intestinal juice is known as \_\_\_\_\_.
5. \_\_\_\_\_ is the synthetic or constructive metabolism.
6. Full form of ATP is \_\_\_\_\_.
7. \_\_\_\_\_ is the process involving the burning up of food substances to produce energy.
8. The fatigue experience is due to lactic acid accumulated in the muscles in the shortage of oxygen, a condition which may be called \_\_\_\_\_.
9. The osmotic entry of water into a cell is called \_\_\_\_\_.
10. Other name for blood platelets is \_\_\_\_\_.
11. \_\_\_\_\_ and \_\_\_\_\_ parenchyma are found between the epidermal layers of leaf.
12. Palisade and spongy parenchyma together form \_\_\_\_\_ tissue.
13. The green plastids which help to perform photosynthesis are called \_\_\_\_\_.
14. \_\_\_\_\_ pigment found inside chloroplast absorb sunlight.
15. In a multicellular system, control and coordination of various functions is performed by \_\_\_\_\_ and \_\_\_\_\_ system.
16. Green plants are \_\_\_\_\_ in their mode of nutrition.
17. \_\_\_\_\_ is the anabolic process by which plants manufacture carbohydrates with the help of water, carbon dioxide in the presence of sunlight and chlorophyll.
18. \_\_\_\_\_ discovered dark reaction of photosynthesis.
19. Leaf has outermost epidermal layers which are covered with \_\_\_\_\_.
20. \_\_\_\_\_ is the process which results in synthesis of complex substances from simpler ones.
21. Plants also show movement by \_\_\_\_\_ their roots and shoots bigger.

22. \_\_\_\_\_ do not show any molecular movement in them until they infect some cell.
23. The energy released during respiration is stored as \_\_\_\_\_ and is utilized to maintain the bodily functions.
24. Reproduction helps in \_\_\_\_\_ and of life.
25. The basic functions performed by living organisms to maintain their life on this earth are called \_\_\_\_\_.
26. \_\_\_\_\_ are the complex organizations of molecules which can perform various functions to sustain life.
27. The process by which living organisms can synthesize or procure their food is known as \_\_\_\_\_.
28. Growth is needed for the process of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
29. Sum of all biochemical reactions are known as \_\_\_\_\_ reactions.
30. The most important criterion to decide whether something is alive or not is the \_\_\_\_\_.

## II. True or False

1. The mode of nutrition in green plant is autotrophic.
2. Photosynthesis takes place in cytoplasm.
3. Life span of human RBCs is more than 150 days.
4. Digestion in Amoeba is intracellular.
5. Villi are present in large intestine.
6. Enzyme present in human saliva is ptyalin.
7. Emulsification of fat is brought about by bile salts.
8. Respiratory structures in insects are trachea.
9. Nitric acid present in secretions inside the stomach makes the medium acidic.
10.  $\text{CO}_2$  and  $\text{H}_2\text{O}$  are formed during aerobic respiration in mitochondria.