ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 19

Class: IX Sub: LIFE SCIENCE Date: 28.04.2020

Topic: Photosynthesis:Components chloroplastsand water F.M. : 15

Choose the correct option: (1x15=15)

1. The site of photosynthesis:
   a) Plastids of leaf b) chloroplastids of leaf c) chloroplastids of mesophyll tissue d) none
2. The places where photosynthesis occurs is:
   a) Green young stem b) calyx of flower c) phylloclade of cactus d) All of these
3. The following is not the component of photosynthesis:
   a) chlorophyll b) water c) chromoplasts d) carbon dioxides
4. Leaves are best site for photosynthesis because:
   a) Contain chlorophyll b) large surface area c) are very thick d) Both (a) and (b)
5. Synthesis of 1 mole of glucose requires …… moles of carbon dioxide
   a) six b) one c) five d) two
6. For the synthesis of one mole of glucose …. Moles of water are required:
   a) Six b) five c) twelve d) one
7. The spongy layer in the aerial roots of orchids which help in absorption of moisture from air:
   a) roots b) spongocoel c) velamen d) spongin
8. The type of water absorbed by plants from soil is:
   a) Run off water b) capillary water c) chemically combined d) hygroscopic water
9. The by-product of photosynthesis is:
   a) glucose b) water c) oxygen d) All of these
10. The source of hydrogen in glucose molecule is:
    a) Carbon dioxide b) hydrogen c) water d) none of these
11. Role of water in photosynthesis:
    a) Hydrogen donor b) photolysis c) as a solvent d) Both (a) and (b)
12. Reduction of $C0_2$ in photosynthesis is brought about by:
    a) By photolysis of water b) by absorbing hydrogen from air c) by using hydrogen from cellular pool d) all of these

13. Photosynthesis is an anabolic process because:
    a) Constructive process b) increase in dry weight c) glucose is produced d) all of these
14. Acceptor of Carbon dioxide in chloroplast is:
    a) RuBP b) H_2O c) Glucose d) none of these
15. The evolution of oxygen is due to:
    a) Splitting of water b) photolysis of water c) photosynthesis d) none of these

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