



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

### SOLUTIONS – 31

Class: IX

Sub: Life Science

Date: 09.06.2020

#### Topic: Respiration in plants

F.M. : 15

Choose the correct option:

(1x15=15)

- Respiration is the sum total of \_\_\_\_\_ and \_\_\_\_\_ processes in an organisms.  
a) Physical and mechanical b) Chemical c) Metabolism and chemical change d) Physical and chemical  
**Answer : Physical and chemical (d)**
- Chemical processes in the body are also known as :-  
a) External respiration b) Intensive respiration c) Internal respiration d) Inner respiration  
**Answer : Internal respiration (c)**
- Internal respiration includes :-  
a) Exchange of gases b) Oxidation of glucose to produce CO<sub>2</sub> and H<sub>2</sub>O c) Transport of gases  
d) All of these  
**Answer :Oxidation of glucose to produce CO<sub>2</sub> and H<sub>2</sub>O (b)**
- The function of respiratory system is :-  
a) Oxidation of food to release CO<sub>2</sub> and O<sub>2</sub> b) Exchange of gases with environment c) Transport of gases  
d) All of these  
**Answer :Exchange of gases with environment (b)**
- Gills are the respiratory organs of :-  
a) Catla b) Shark c) Axolotyl larva d) All of these  
**Answer : Axolotyl larva (c)**
- Human respiratory system includes :-  
a) Trachea b) Pharynx c) Bronchioles d) All of these  
**Answer :All of these(d)**
- What is not a characteristic of a respiratory surface :-  
a) Thick wall b) Moist inner surface c) Large surface area d) Blood supply  
**Answer : Thick wall(a)**
- Respiratory organs of plant is / are :-  
a) Stomata b) Lenticels c)Pneumatophores d) All of these  
**Answer : All of these (d)**

9. The tiny openings on the leaves and young green stems for respiration is called :-  
a) Stomata b) Guard cell c) Lenticel d) None of these  
**Answer :Stomata (a)**
10. Guard cells are specialized structures which are \_\_\_\_\_ shaped in plants.  
a)Reniform b) Oval c)Dumbbell shaped d) Reniform in dicots and dumbbell in monocots  
**Answer :Reniform in dicots and dumbbell in monocots (d)**
11. The opening and the closing of stomata is brought about by \_\_\_\_\_ and \_\_\_\_\_ respectively.  
a) Entry and exit b) Turgidity and flaccidity c) Flaccidity and turgidity d) All of these  
**Answer : Turgidity and flaccidity (b)**
12. The permanent openings on bark which allow gas exchange throughout the day and night are called :-  
a) Pnematophores b) Stoma c) Lenticels d) Guard cells  
**Answer : Lenticels (c)**
13. Breathing roots develop in plants found in \_\_\_\_\_ areas.  
a) Waterlogged b) Dry c) Coastal d) Hilly  
**Answer :Waterlogged (a)**
14. Pneumatophores are found in \_\_\_\_\_.  
a) Mango tree b) Orchids c) Mangroves d) Water lily  
**Answer : Mangroves (c)**
15. Lenticels are found on :-  
a) Roots b) Fruit walls c) Barks of trees d) Both (b) and (c)  
**Answer : Both (b) and (c) (d)**

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