



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

### WORK SHEET – 37

Class: IX

Sub: Life Science

Date: 16.06.2020

### Topic: Anaerobic respiration and Significance of respiration

F.M. : 15

**Choose the correct option:**

**(1x15=15)**

- The incomplete breakdown of respiratory substance in absence of free oxygen is called :-  
a) Aerobic respiration b) Krebs' cycle c) Anaerobic respiration d) None of these
- The end product of anaerobic respiration in plant cells is \_\_\_\_\_.  
a) Citric acid b) Ethyl alcohol c) Pyruvic acid d) Lactic acid
- Anaerobic respiration in animal cells leads to the formation of \_\_\_\_\_ as the end product.  
a) Lactic acid b) Malic acid c) Ascorbic acid d) Citric acid
- Anaerobic respiration takes place in :-  
a) *Thiobacillus* b) Methane bacteria c) *Clostridium* d) All of these
- Skeletal muscle fibres during vigorous exercise undergo \_\_\_\_\_ respiration.  
a) Aerobic b) Anaerobic c) Both (a) and (b) d) Fermentation
- Characteristics of anaerobic respiration is :-  
a) Glucose is completely oxidized b) CO<sub>2</sub> and O<sub>2</sub> are end products c) Takes place in presence of O<sub>2</sub>  
d) Glucose is incompletely oxidized
- Lactic acid fermentation is brought about by :-  
a) Yeast b) Skeletal muscle cells c) Tape worm d) All of these
- Lactic acid fermentation is brought about by :-  
a) *Clostridium* b) *Lactobacillus* c) *Acetobacter* d) All of these
- The site of anaerobic respiration in a cell is :-  
a) Mitochondria b) Nucleus c) Cytoplasm d) Mitochondria and cytoplasm both
- Alcoholic fermentation differs from anaerobic respiration on the basis of following feature :-  
a) Occurs in micro-organisms b) End products do not cause toxicity to the cells c) Energy produced outside the cells d) All of these
- Anaerobic respiration results in generating electric current in :-  
a) Electric ray b) Seal c) Torpedo d) String ray
- Significance of anaerobic respiration in glow worm is :-  
a) Generates electric current b) Emits light by glow worms c) Raise temperature  
d) Both (b) and (c)

13. Significance of respiration is :-  
a) Formation of ATP b) Suffices calorie need of an organism c) Balance between O<sub>2</sub> and CO<sub>2</sub>  
d) All of these
14. The number of ATP produced during anaerobic respiration is :-  
a) 2 b) 14 c) 36 d) Zero
15. Formation of ATP takes place from :-  
a) Adenosine b)ADP c) Tryptophan d) All of these

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