



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI

Date: 21.11.2020

Plant respiration

F.M:15

WORKSHEET – 52

(1x15=15)

- i) Respiration is called catabolic because
(1) Organic substance is oxidised (2) Glucose is broken down to CO₂, energy and water
(3) Dry weight of an organism is reduced (4) All of these
- ii) Amoeba has
(1) Direct respiration (2) Indirect respiration (3) Both (1) and (2) (4) Anaerobic respiration
- iii) *Rhizophora* respire in muddy and saline soil through-
(1) Stomata (2) Lenticels (3) Pores on the surface of pneumatophores
(4) All of these
- iv) When protein is used as a respiratory substrate, it is called -
(1) Floating respiration (2) Protoplasmic respiration (3) Direct respiration (4) Indirect respiration
- v) Which of the following products is formed in all the types of respiration?
(1) CO₂ (2) Lactic Acid (3) Pyruvic Acid (4) Ethanol
- vi) Which of the following is found in facultative and obligate anaerobes?
(1) Aerobic respiration (2) Anaerobic respiration (3) Fermentation (4) Both (1) and (2)
- vii) Which of the following is not a type of fermentation?
(1) Citric Acid Fermentation (2) Lactic Acid fermentation (3) Alcoholic fermentation
(4) Malic Acid Fermentation
- viii) Fermentation in *Lactobacillus* forms
(1) Lactic Acid (2) Ethanol (3) CO₂ (4) All of these
- ix) *Leuconostoc* has -
(1) Homolactic fermentation (2) Heterolactic fermentation (3) Aerobic respiration (4) Anaerobic respiration
- x) 1 molecule of Glucose in anaerobic respiration yields _____ kcal of energy
(1) 36 (2) 50 (3) 686 (4) 70
- xi) In human body, lactic acid fermentation is observed in-
(1) Bone cells (2) Muscle cells (3) Red Blood Cells (4) White Blood Cells
- xii) The conversion of Glucose to Pyruvic Acid is called
(1) Glycolysis (2) Glycogenesis (3) Glucolysis (4) Glucogenesis
- xiii) Glycolysis takes place in-
(1) Mitochondria (2) Cytoplasm (3) Nucleus (4) Plasma membrane
- xiv) Glycolysis has _____ irreversible steps -
(1) 1 (2) 2 (3) 3 (4) 4
- xv) Glycolysis is a _____ step process.

(1) 1

(2) 5

(3) 7

(4) 10

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