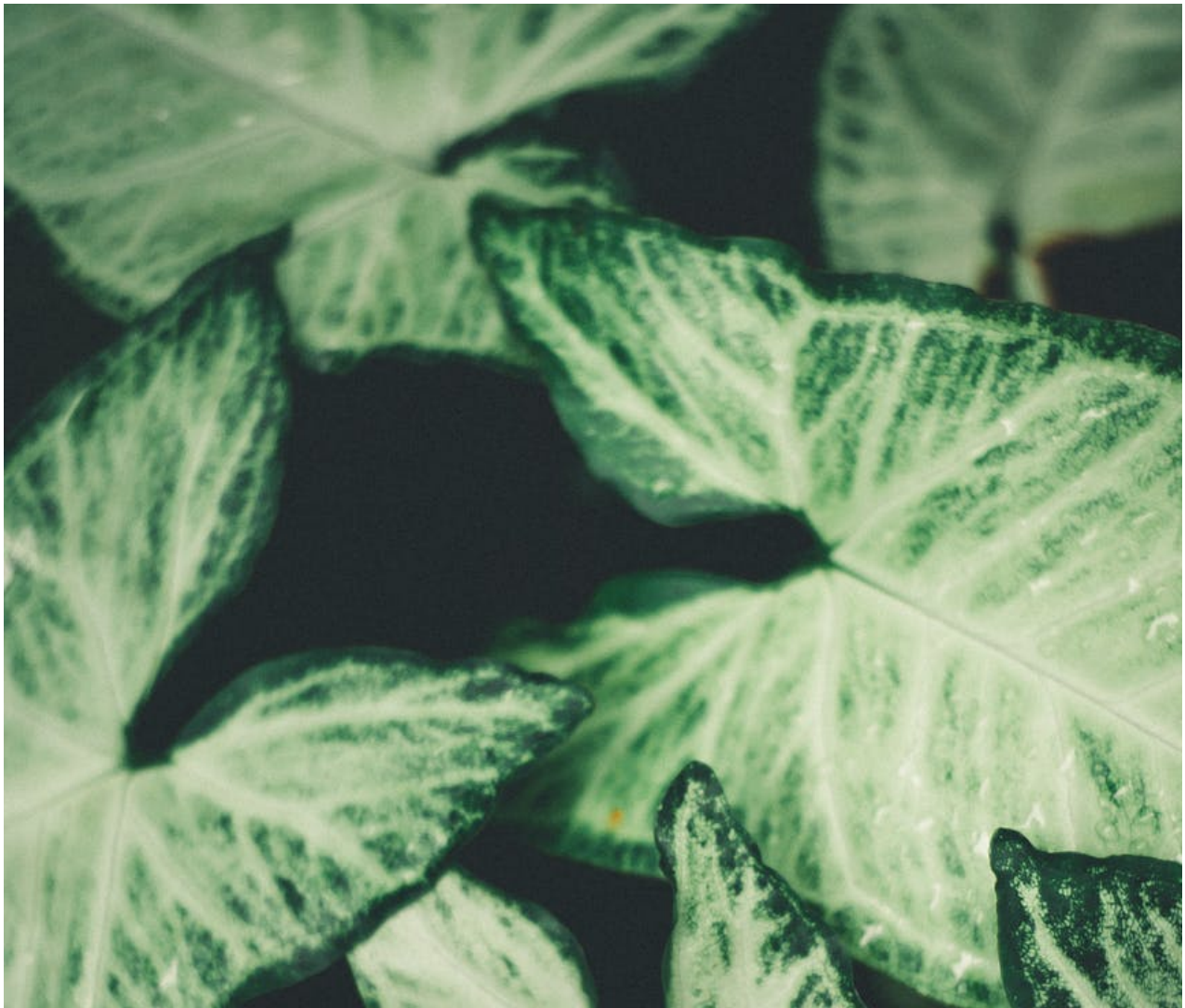
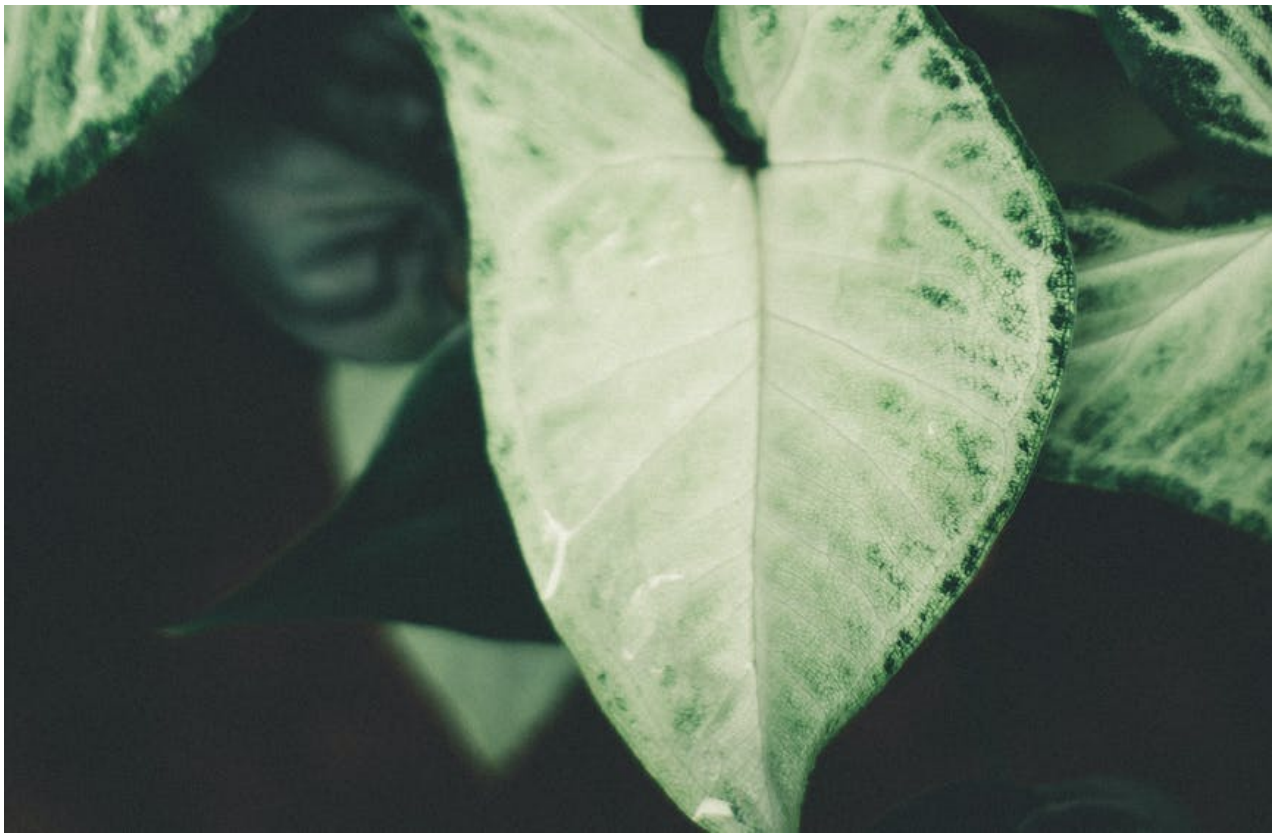




Priya's Learning Centre

Respiration In Plants





Q.1: Glycolysis occurs in the _____ of the cell.

- a) mitochondria
- b) cell membrane
- c) cytoplasm

Q.2: _____ is the breakdown of complex molecules in living organisms to form simpler ones along with release of energy.

- a) catabolism
- b) anabolism
- c) both

Q.3: _____ is the ratio of volume of carbon dioxide evolved to volume of oxygen consumed.

- a) breathing ratio

- b) respiratory ratio
- c) breathing quotient

Q.4: Pyruvic acid is an end product of the _____ process.

- a) Glycolysis
- b) Photosynthesis
- c) TCA

Q.5: When fats are used in respiration, the RQ is less than _____.

- a) 10
- b) 5
- c) 1

Q.6: Which of the following statements is incorrect about the TCA cycle ?

- a) It starts with the condensation of acetyl group with oxaloacetic acid and water to yield citric acid.
- b) During the conversion of succinyl-CoA to succinic acid a molecule of GDP is synthesised.
- c) The continued oxidation of acetyl CoA via the TCA cycle requires the continued replenishment of oxaloacetic acid.

Q.7: In _____, the light energy is utilised for the production of proton gradient which is required for phosphorylation.

- a) photophosphorylation
- b) oxidative phosphorylation
- c) protein phosphorylation

Q.8: Which element acts as the final hydrogen acceptor in aerobic respiration ?

- a) carbon dioxide
- b) oxygen
- c) phosphorous

Q.9: The breaking of C-C bonds of complex compounds through oxidation within the cells, leading to release of considerable amount of energy is called

_____.

- a) combustion
- b) fermentation
- c) respiration

Q.10: Which of following statements is correct about fermentation ?

- a) Fermentation accounts to the complete breakdown of glucose.
- b) In fermentation, under aerobic conditions many ATP molecules are generated.
- c) In fermentation, NADH is oxidised to NAD^+ rather slowly than aerobic respiration.

Answers:

- 1. c
- 2. a
- 3. b
- 4. a
- 5. c
- 6. a
- 7. a
- 8. b
- 9. c
- 10. c