

Q.1) Why is trachea provided with cartilage inner rings?

Q.2) Write 4 points of difference between aerobic and anaerobic respiration.

→ In box Q. - 2 Pg. No - 105 , Ex - 4.8

Ans:- ~~Trachea~~ The cartilage rings present in the trachea prevent the collapsing of trachea in the absence of air.

Aerobic

→ It takes place in the presence of oxygen.

→ The end product is carbon dioxide, water, and energy.

Anaerobic

→ It takes place in the absence of oxygen.

→ The end product is lactic acid, carbon dioxide, and energy.

→ It takes place in cytoplasm and mitochondria

→ It takes place only in cytoplasm.

→ It occurs in higher organisms.

→ It occurs in lower organisms.

→ Example - muscle cells of our body.

→ Ex - Yeast.

Inbox Questions

Q2) What are different ways in which ~~organisms~~ glucose is oxidised to energy in various organisms?

ans: Organisms like ~~plants~~ plants, humans and other mammals respire aerobically in the presence of oxygen.

Organisms of lower classification like yeast respire anaerobically in absence of oxygen.