

# Ch-1 Life Processes

Dt - 15 May 2021

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## Home Assignment

Q1 write 4 points of difference between aerobic and anaerobic respiration.

Ans. Aerobic respiration | Anaerobic respiration

(i) Aerobic respiration takes place in the presence of oxygen. | (i) Anaerobic respiration takes place in the absence of oxygen.

(ii) Complete breakdown of food occurs. | (ii) Partial breakdown of food occurs.

(iii) End products are Carbon dioxide and water. | (iii) End products <sup>may</sup> be in ethanol and  $\text{CO}_2$  (in yeast plants) or lactic acid (in animal muscles).

(iv) produce a considerable amount of energy. | (iv) much less energy is produced.

Q2 what are the different ways in which glucose is oxidised to provide energy in various organisms?

Ans. There are two different ways in which the glucose is oxidised.

to provide energy on various organisms?  
aerobic and anaerobic respiration.

③ Name some organisms that use the anaerobic mode of respiration?

Ans. Anaerobic mode of nutrition is used by certain micro-organisms such as yeast and some bacteria.