

BCM SCHOOL BASANT AVENUE, DUGRI LUDHIANA

XI BIO ASSIGNMENT

End product of glycolysis : $\text{Glucose} + 2\text{ADP} + 2\text{P} + 2\text{NAD} \rightarrow 2 \text{ Pyruvic acid} + 2 \text{ ATP} + 2\text{NADH}_2$.

(ii) Glycolysis occurs in cytoplasm outside the mitochondria. (iii) Fermentation in plant cells occurs in **absence of oxygen**.

2. The respiratory quotient is a dimensionless number used in calculations of basal metabolic rate when estimated from carbon dioxide production.

3.. Pyruvate: A molecule of glucose converts into two molecules of pyruvate.

ATP: A total of four molecules of ATP are produced during glycolysis. Since two molecules of ATP are utilized in the reaction, the net of ATP produced is two.

NADH+H⁺: Two molecules of NADH+H⁺ are produced as a result of glycolysis

4. **ATP synthetase pump.**

5. 38

6.read ncert

7.ncert topic

8. NCERT Topic