

9. This procedure guarantees cell development and reproduction as well as growth, repair, and the generation of new cells. **Ans. Cell division**
10. In what year did Leeuwenhoek report that he had observed little animals called protozoa through a microscope? **Ans. 1678**

CELLULAR ENERGY TRANSFORMATION

1. What is the alternative metabolic pathway when oxygen is scarce or absent?

Ans. FERMENTATION

2. How much ATP is produced in anaerobic respiration?

Ans. 2 ATP

3. It is a fundamental requirement for all living organisms. It can also be described as the capacity or ability to do work or bring about change.

Ans. ENERGY

4. A complex metabolic process that occurs in the mitochondria of cells and involves the conversion of glucose and oxygen into carbon dioxide, water, and ATP (adenosine triphosphate).

Ans. CELLULAR RESPIRATION

5. Name the three main stages/processes of cellular respiration.

Ans. GLYCOLYSIS

KREBS CYCLE/CITRIC ACID CYCLE

ELECTRON TRANSPORT CHAIN

Q. What are the three main stages of cellular respiration?

Ans. Glycolysis

Krebs cycle (Citric Acid Cycle)

Electron Transport

Q. What are the three main stages of cellular respiration?

Ans.

1. Glycolysis

2. Krebs cycle (Citric Acid Cycle)

3. Electron Transport

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