

Section B - Fill in the Blanks

- Q1. The basic unit of heredity is a _____. (1 marks)
- Q2. Newton's _____ law of motion states that every action has an equal and opposite reaction. (1 marks)
- Q3. The process of converting light energy into chemical energy is called _____. (1 marks)

Section C - Short Answer Questions

- Q1. State the law of conservation of mass. (3 marks)
- Q2. Differentiate between physical and chemical changes with examples. (3 marks)
- Q3. Explain the process of osmosis. (3 marks)
- Q4. What are the different types of blood groups? (3 marks)
- Q5. Describe the different states of matter. (3 marks)

Section D - Long Answer Questions

- Q1. Explain the structure and function of the human respiratory system. (5 marks)
- Q2. Describe the different types of forces with examples. (5 marks)
- Q3. Explain the process of photosynthesis in detail. (5 marks)