

Section B - Fill in the Blanks

- Q1. The process of converting a solid directly into a gas is called _____ (1 marks)
- Q2. The functional group of carboxylic acids is _____ (1 marks)
- Q3. The unit of power is the _____ (1 marks)
- Q4. The process of respiration in plants occurs in the _____ (1 marks)
- Q5. The lens used to correct myopia is a _____ lens. (1 marks)
- Q6. The chemical formula for sulfuric acid is _____ (1 marks)
- Q7. The basic unit of heredity is called a _____ (1 marks)
- Q8. The process of splitting of a nucleus is called _____ (1 marks)

Section C - Short Answer Questions

- Q9. Explain the difference between evaporation and boiling. (4 marks)
- Q10. Describe the structure of a neuron. (4 marks)
- Q11. What are the advantages and disadvantages of using fossil fuels? (4 marks)
- Q12. Explain the process of photosynthesis. (4 marks)
- Q13. State Ohm's law and write its mathematical expression. (4 marks)

Section D - Long Answer Questions

- Q14. Explain the different types of chemical reactions with examples. (5 marks)
- Q15. Describe the human digestive system and the role of different organs involved. (5 marks)
- Q16. Explain the process of reproduction in flowering plants. (5 marks)
- Q17. Discuss the different types of lenses and their uses. (5 marks)
- Q18. Explain the working of an electric motor. (5 marks)
- Q19. Explain the different types of pollution and their effects on the environment. (5 marks)

Section E - Matching Questions

Q20. Match the following: (4 marks)

Column A

1. Force
2. Velocity
3. Acceleration
4. Work

Column B

- a. m/s^2
- b. Joule
- c. Newton
- d. m/s

Section F - Case Study

- Q21. A farmer observes that his crops are not growing well. He notices that the leaves are yellowing and the

