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CBSE Sample Paper Class 9 Science 2023-24

Subject: Science Class: 9 Maximum Marks: 80 Duration: 3 hours

Section A: Objective Type Questions (Each question carries 1 mark)

1. The branch of science that deals with the study of living organisms is called:
(a) Physics (b) Chemistry (c) Biology (d) Geology
2. The process of conversion of a solid directly into a gas without melting is called: (a) Sublimation (b) Condensation (c) Evaporation (d) Melting

Section B: Short Answer Type Questions (Each question carries 2 marks)

3. Explain the process of digestion in humans.
4. What is the role of the ozone layer in the atmosphere? Why is it important?

Section C: Long Answer Type Questions (Each question carries 4 marks)

5. Explain the working principle of an electric generator. How does it convert mechanical energy into electrical energy?
6. Write the differences between a plant cell and an animal cell.

Section D: Higher Order Thinking Skills Questions (Each question carries 6 marks)

7. Explain the phenomenon of refraction of light. Draw a labeled diagram to show the bending of light when it passes through a glass prism.
8. Differentiate between renewable and non-renewable sources of energy. Give examples of each and discuss their advantages and disadvantages.

Section E: Practical-Based Questions (Each question carries 4 marks)

9. You are provided with a convex lens, a concave lens, and an object. Draw ray diagrams to show the formation of the image by each lens when the object is placed beyond the focus.



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10. Conduct an experiment to show that air exerts pressure.

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