



Nishant eAcademy

CBSE Sample Paper Class 8 Science 2022-23

Subject: Science Class: 8 Maximum Marks: 80 Duration: 2 hours

Section A: Multiple Choice Questions (Each question carries 1 mark)

1. Which of the following is an example of a non-luminous object? (a) Sun (b) Candle flame (c) Moon (d) Electric bulb
2. Which of the following is a greenhouse gas? (a) Nitrogen (b) Oxygen (c) Carbon dioxide (d) Hydrogen
3. The process of conversion of a solid directly into its vapor without melting is called: (a) Evaporation (b) Condensation (c) Sublimation (d) Boiling

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

4. Explain why a piece of iron is a better conductor of heat than a piece of wood.
5. What are herbivores? Give two examples of herbivorous animals.

Section C: Long Answer Type Questions (Each question carries 3 marks)

6. Differentiate between renewable and non-renewable sources of energy. Provide two examples of each.
7. How is sound produced? Describe the process of hearing in the human ear.

Section D: Application-based Questions (Each question carries 5 marks)

8. An object is placed at a distance of 15 cm from a concave lens of focal length 10 cm. Determine the nature and position of the image formed by the lens.
9. A seedling is growing towards sunlight in a straight line. Draw a labelled diagram to show how the seedling will appear after a few days when sunlight is provided from the opposite direction.