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CBSE Sample Paper Class 9 Science 2021-22

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

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

1. Which of the following is a non-metal? (a) Sodium (b) Carbon (c) Iron (d) Copper
2. The process of conversion of solid directly into a gas is called: (a) Evaporation (b) Condensation (c) Sublimation (d) Melting

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

3. State the laws of reflection of light.
4. What are fossils? How are they formed?

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

5. Explain the process of photosynthesis. Mention its importance in our lives.
6. Explain the working of an electric bell.

Section D: Higher Order Thinking Skills Questions (Each question carries 5 marks)

7. Describe the structure of the human heart. Explain the functioning of the heart.
8. A student is studying the effects of force on the motion of an object. He performed an experiment by changing the force and measuring the corresponding change in velocity. Based on his observations, he plotted a graph of force versus velocity. He obtained a straight line passing through the origin. Explain the conclusion he can draw from this experiment.

Section E: Practical-based Questions (Each question carries 5 marks)



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9. (a) List three precautions you would take while using a Bunsen burner in the laboratory. (b) Explain the process of heating a substance using a Bunsen burner.
10. (a) State the steps involved in the preparation of temporary mount of a leaf peel to observe stomata. (b) Draw a labeled diagram of the stomatal apparatus.

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