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## CBSE Sample Paper Class 10 Science 2021-22

Subject: Science Class: 10 Maximum Marks: 80 Duration: 3 hours

Section A: Objective Type Questions (1 mark each)

1. Which of the following is an example of a non-metal? a) Iron b) Copper c) Aluminium d) Oxygen
2. Which of the following is used as a moderator in a nuclear reactor? a) Uranium b) Plutonium c) Graphite d) Thorium

Section B: Short Answer Type Questions (2 marks each)

3. Write the chemical equation for the reaction of sodium with water.
4. Explain why a convex lens is called a converging lens.

Section C: Long Answer Type Questions (3 marks each)

5. Describe the process of photosynthesis in plants.
6. Explain the working principle of an electric generator.

Section D: Long Answer Type Questions (5 marks each)

7. What is the difference between a physical change and a chemical change? Give examples of each.
8. Draw a labelled diagram of the human digestive system and explain the functions of its major organs.

Section E: Practical Based Questions (5 marks each)

9. A student wants to determine the focal length of a concave mirror. Explain the method he/she should use for this experiment.



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10. A student performed an experiment to study the process of osmosis using a potato and a salt solution. Describe the procedure and observations made during the experiment.

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