

BCM SCHOOL, CHANDIGARH ROAD, LUDHIANA
A SR. SEC. SCHOOL OF BCM FOUNDATION AFFILIATED TO CBSE, NEW DELHI
CLASS:-VI; WORKSHEET-SCIENCE; CH-1 THE WONDERFUL WORLD OF SCIENCE

SECTION A: TICK THE CORRECT OPTION.

Question 1. What is the primary goal of science?

- (a) To memorize facts and figures
- (b) To understand the world we live in and uncover the secrets of the universe
- (c) To perform experiments without any purpose
- (d) To follow instructions without questioning

Question 2. What is the most important trait needed to explore and understand the world through science?

- (a) Memorization (b) Discipline (c) Curiosity (d) Obedience

Question 3. Which of the following science is compared to?

- (a) A complex equation (b) A big adventure (c) A boring task (d) A straightforward activity

Question 4. What is one of the fascinating aspects of science?

- (a) It is limited to laboratories.
- (b) It only involves studying large objects.
- (c) It is like a giant and unending jigsaw puzzle.
- (d) It has a fixed amount of knowledge to discover.

SECTION B: ASSERTION-REASON QUESTIONS:-

Question 1:

- **Assertion (A):** Science helps us understand the world around us by encouraging us to ask questions and seek answers.
- **Reason (R):** Scientific investigations involve observation, experimentation, and analysis to solve problems and discover new things.
- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false. (d) A is false but R is true.

Question 2:

- **Assertion (A):** Curiosity is a crucial trait for scientists.
- **Reason (R):** Curiosity drives scientists to explore, investigate, and seek knowledge about the natural world.

Choose the correct option:

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false. (d) A is false but R is true.

SECTION –C; Short Answer Type Questions

1. **Question:** What is the purpose of science?
2. **Question:** How does Science help us understand the world?
3. **Question:** Give an example of applying the scientific method in daily life.
4. **Question:** Describe the process of scientific inquiry.
5. **Question:** Differentiate between observation and inference in the context of scientific inquiry.
6. **Question:** Explain the importance of the scientific method in daily life, giving one example.
7. **Question:** Explain the concept of “Science is everywhere” with suitable examples.

SECTION- D; CASE STUDY

Rahul notices that the water level in his aquarium is decreasing rapidly. He wants to investigate the cause of this phenomenon.

Question 1: What are the possible explanations for the missing water?

Question 2: How can Rahul design an experiment to test his hypothesis?

Question3: What conclusions can Rahul draw from his experiment?