

CHAPTER-1 | The Ever-Evolving World of Science

QUIZ
PART-02

1. Science is described as a process that includes which of the following steps?

- A. Memorization and repetition
- B. Observation, hypothesis, experimentation, analysis, conclusion
- C. Reading and writing only
- D. Guessing answers (B)

Explanation : Science follows a structured process of observation, hypothesis, experimentation, analysis, and conclusion.

2. What does learning through exploration encourage students to do?

- A. Stay limited to textbooks
- B. Avoid mistakes
- C. Ask why and how things work
- D. Memorize facts (C)

Explanation : Exploration encourages asking questions about why and how things work.

3. Which of the following best represents hands-on learning in science?

- A. Blind copying
- B. Rote learning
- C. Hands-on experiments
- D. Skipping activities (C)

Explanation : Hands-on experiments help students learn by doing.

4. What does science help us understand?

- A. Only machines
- B. Only experiments
- C. The world around us
- D. Only textbooks (C)

Explanation : Science helps us understand the world around us.

5. Which statement best explains the link between science and responsibility?

- A. Science has no effect on society
- B. Knowledge brings responsibility
- C. Science is only for scientists
- D. Responsibility avoids science (B)

Explanation : With scientific knowledge comes responsibility.

6. How do human activities affect nature?

- A. They have no impact
- B. They improve nature always
- C. They impact nature
- D. They replace nature (C)

Explanation : Human activities directly impact nature.

7. Which action shows responsible use of science in daily life?

- A. Leaving lights on
- B. Using more plastic
- C. Switching off lights when not in use
- D. Wasting resources (C)

Explanation : Saving electricity shows responsible behavior.

8. What is one way students can make a difference for sustainability?

- A. Say yes to plastic
- B. Reuse and recycle
- C. Ignore environmental issues
- D. Increase waste (B)

Explanation : Reusing and recycling support sustainability.

9. Science learning is best when it includes which of the following?

- A. Rote learning
- B. Blind copying
- C. Skipping activities
- D. Hands-on experiments and asking questions (D)

Explanation : Active learning through experiments improves understanding.

10. "Human activities have no effect on the environment." This statement is:

- A. True
- B. False
- C. Sometimes true
- D. Not related to science (B)

Explanation : Human activities do affect the environment.