

CHAPTER 1

THE WONDERFUL WORLD OF SCIENCE

VEDA
ACADEMY

CLASS 6TH

NCERT EXERCISE AND SOLUTIONS - SCIENCE

Q. 1. What is Science?

ANSWER:-

Science is the study of the world around us. It helps us understand how things work by asking questions and doing experiments.

Branches of Science

1. **Physics** – Study of energy, forces, and motion.
2. **Chemistry** – Study of substances and their changes.
3. **Biology** – Study of living things.

Q. 2. What will we explore with the help of this book?

ANSWER:-

This book will take us on a journey to explore our home, planet Earth, and the many plants and animals that live in different places. We will learn about the materials around us, how food is made and why it is important, the special properties of water, and the wonders of the Sun, Moon, and stars. The book will also spark our curiosity with fun ideas, experiments, and real-life connections.

Q. 3. How can we try to find answers to our questions on our own?

ANSWER:-

To find answers ourselves, we can use the scientific method:

- **Observe:** Notice something interesting.
- **Question:** Think of a question about it.
- **Hypothesize:** Make a guess to answer the question.
- **Experiment:** Test your guess with experiments.
- **Analyse:** Check if your results answer the question.

By using these steps, we can solve problems or learn new things—not just in science, but in everyday life.



Q. 4. What is the importance of curiosity in science?

ANSWER:-

Curiosity is the heart of science. It makes us ask questions and find answers. It helps us explore, learn, and solve problems. Without curiosity, we wouldn't discover new things or understand the world around us.

Q. 5. How does science help us understand the natural world?

ANSWER:-

Science helps us understand the world by observing, guessing, experimenting, and learning from results. This method reveals how nature works, from tiny particles to the vast universe.

Q. 6. What is the scientific method?

ANSWER:-

The scientific method includes observing, questioning, guessing, experimenting, and analyzing. This step-by-step process helps scientists explore and understand things using real evidence and clear reasoning.

Q. 7. Why is science described as an unending jigsaw puzzle?

ANSWER:-

Science is like a never-ending puzzle—each discovery helps us understand more but also brings new questions. This cycle keeps us learning and exploring forever.

Q. 8. What role does experimentation play in science?

ANSWER:-

Experiments are important in science because they test ideas, provide proof, and help confirm or reject theories. They let scientists observe results and understand how things work.

Q. 9. How does science connect to everyday life?

ANSWER:-

Science is part of our daily life—it explains why stars shine, how plants grow, and how things work. It helps us in cooking, fixing things, and using technology, making life easier and better.



Q. 10. What can we learn about Earth through science?

ANSWER:-

Science helps us learn about Earth, its living things, and how life is supported. This knowledge helps us care for our planet and keep it safe for future generations.

Q. 11. How does science foster teamwork and collaboration?

ANSWER:-

Science encourages teamwork, as scientists work together to solve problems, share ideas, and combine their knowledge. This teamwork leads to faster discoveries and innovations that help everyone.

Q. 12. Why it is important to protect the environment?

ANSWER:-

Protecting the environment is important for life on Earth. Science helps us understand human impact and find ways to reduce harm, keeping our planet safe for the future.

Q. 13. What are some examples of everyday scientific inquiries?

ANSWER:-

Everyday science includes solving simple questions like why a pen stops working, how to cook better, or why plants grow. We use the scientific method to find answers and solve problems.

