

Based on **CURIOSITY** New NCERT Textbook

Sanjiv[®] *Refresher*

SCIENCE

CURIOSITY

For the Student of Class 6

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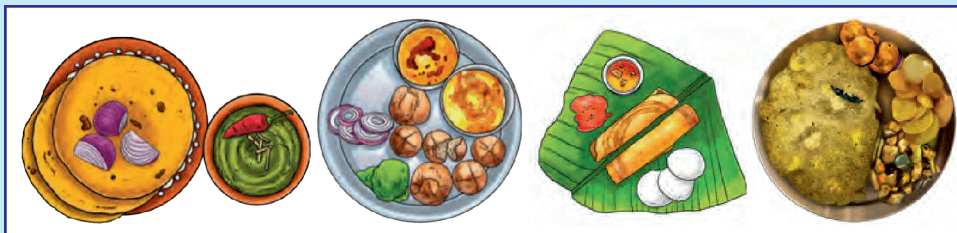
The Wonderful World of Science

Summary

- Human beings have always been naturally curious about the world around them. From our childhood only we start exploring our surroundings, asking questions, and trying to understand different things. Science helps us to find answers to these questions. It is a way of observing, thinking, and experimenting to gain knowledge and to reveal the secrets of the universe. Curiosity is at the heart of science, and asking questions is an important part of learning.
- Science is everywhere, even in tiny things and in massive things also. We are surrounded with science in our houses and outside too. Science helps us to unravel the mysteries.
- Science is like solving a puzzle. Each new discovery adds to what we already know, and sometimes, older ideas need to be changed when new facts are found. As we study science, we learn about Earth, the only known planet that supports life. There are many living beings on Earth, including plants and animals, and they adapt to different surroundings. Some common changes in nature, such as a caterpillar turning into a butterfly or a seed growing into a tree, are explained through science.



- Food is an essential part of life, and different regions have different types of food. We often wonder about the ingredients used in various dishes and how they are prepared. Similarly, we come across different materials in daily life, such as paper, metal, plastic, and rubber, and we may question what they are made of and how they are different from each other.



- Water is another important part of our lives. It exists in three forms: solid (ice), liquid (water), and gas (steam). The effect of temperature changes on water is commonly observed. For example, we drink cold water in summer and use warm water in winter. The concept of hot and cold is important in everyday life. The concept includes checking body temperature when someone has a fever.
- Science is not just about Earth; it also helps us understand things beyond our planet. For centuries, people have observed the Sun, Moon, and stars and wondered about their existence. Science helps us find answers to such questions. Through learning, we also explore different natural structures like leaves and understand how things move. This book encourages students to think, observe, and ask questions.



- We often apply scientific thinking in everyday situations without realizing it. For example, if a pen stops working, we may guess that the ink has finished. If that is not the problem, we think of another reason, such as the ink drying up. This method of making a guess and checking if it is correct follows the scientific method. The steps of the scientific method include observation, asking questions, forming a hypothesis (a possible answer), testing through experiments, and analyzing results.

- Anyone who follows these steps is using scientific thinking. Many people, such as bicycle repairers, electricians, and chefs, use scientific thinking in their work without realizing it. Learning science helps us solve bigger problems and understand the world better. Science requires curiosity and observation. The more we ask “why” and “how” the more we learn.



- Scientific discoveries are often the result of teamwork. Scientists work together to make new inventions. Even students can work in teams to find answers and learn from each other. The study of science continues beyond this class, and students are encouraged to keep questioning and exploring.



- Science is a joyful journey of exploration. We should keep exploring and never stop wondering about the amazing mysteries of the universe. Asking questions help us to satisfy our curiosity and learn more about the amazing world of Science.

**IN-TEXT QUESTIONS****Page 1****Q. 1. What is science?**

Ans. : Science is a way of thinking, observing and doing things to understand the world we live in and to uncover the secrets of the universe.

Page 3**Q. 1. What will we explore with the help of this book?**

Ans. : This book ‘curiosity’ helps us to solve some queries about this wonderful world and the science behind these phenomena.

Page 5**Q. 1. How can we try to find answers to our questions on our own?**

Ans. : By observing, by discovering and by experimenting the events we can find answers to our questions on our own.

Page 8**Q. 1. After all, to be a wise person, you must be a “Whys” person!**

Ans. : If anyone have “Whys” in mind, he/she always seeking to learn something new and it makes him/her answerable for queries and bringing new ideas. So a whys person is also a wise person.

**LET'S Do It****ACTIVITY 1 : Let us think and write****Page 5**

Write about the similar problem that you tried to solve. What step did you take?

Ans. : One day I was studying in night, suddenly the light bulb turned off. So first I checked the switch board whether the switch is on or off, I found it on. So I went outside the room and saw darkness in the whole house, so I came to know that there is power cut from electricity board.

ACTIVITY 2 : Let us think and write**Page 6**

Describe a daily life situation where you feel someone was following a scientific method.

Ans. : There are numerous daily life situations eg. making of tea, sprouting of beans, uses of electric and electronic devices etc.