

CLASS 8

SCIENCE

REVISION NOTES

## Revision Notes: Class 8 Science Chapter 1 Exploring the Investigative World of Science

---

More on this chapter: Solutions | Extra Questions for Class 8 Science Chapter 1 These Class 8 Science Chapter 1 notes are ideal for quick revision just before exams.

### Contents

Class 8 Science Chapter 1: Exploring the Investigative World of Science — Quick Revision Notes

Class 8 Science Chapter 1 – Solutions and Important Questions

## Class 8 Science Chapter 1: Exploring the Investigative World of Science — Quick Revision Notes

**Purpose of the chapter:** an orientation chapter that previews every topic covered later in the Grade 8 Curiosity book (microorganisms & health, electricity, force & pressure, matter, light, natural phenomena, ecosystems, climate) while teaching how to investigate.

**The scientific method (as taught here):** (1) start with a focused question born from curiosity/observation → (2) design a simple experiment, deciding what you can change/control (variables) and what you will observe/measure (outcomes) → (3) change only one variable at a time while keeping other conditions constant, noting everything observed → (4) analyse results and draw conclusions, which often leads to new follow-up questions rather than one final answer.

**Progression across grades:** Grade 6 focuses on wonder ('why/how' questions); Grade 7 shows how answers open new questions; Grade 8 is about designing experiments and controlling variables to actually test ideas.

**Key vocabulary:** curiosity, investigation, scientific question, variable, observation/measurement, controlling one variable at a time, systematic investigation.

**Central worked example:** why a puri/batura/phulka puffs up unevenly when fried — used to identify controllable variables (dough thickness, flour type, oil temperature, drop technique) versus observable outcomes (puffs or not, time to puff, thin-side persistence).

**Two recurring symbols in the book:** a root (grounding in real observation/tradition) and a kite (imagination/curiosity taking flight) — together representing the balance good investigation needs.

**Why it matters:** reframes science from memorising facts to finding out facts yourself — every student is a 'young investigator', and the chapter is honest that even the puri-puffing phenomenon isn't fully understood by scientists today.

**No formal exercise:** unlike most chapters, this one has only in-text discussion questions, no end-of-chapter numbered exercise.

**More on this chapter:** [Solutions](#) | [Extra Questions for Class 8 Science Chapter 1](#) These Class 8 Science Chapter 1 notes are ideal for quick revision just before exams.

## Class 8 Science Chapter 1 – Solutions and Important Questions

Need full answers or more practice? See the [Class 8 Science Chapter 1 Solutions](#) and [Class 8 Science Chapter 1 Extra Questions](#).

**Recommended: Buy the Printed NCERT Class 8 Science Book**

Contains Amazon affiliate links.

If you'd like a printed copy alongside the PDF, here's a verified option:

**NCERT Class 8 Curiosity – Textbook of Science**

4.6 out of 5 stars (3 ratings) · Rs. 130

Buy on Amazon →

Price and availability may change on Amazon. As an Amazon Associate, [ncertbooks.org](https://ncertbooks.org) earns from qualifying purchases.

---

© NCERTBooks.org — your one-stop source for Class 1 to 12 NCERT Books, Solutions, Extra Questions, Revision Notes, Formulas Handbooks and more. Visit [ncertbooks.org](https://ncertbooks.org) for the latest chapters as they are published.