# GRADE 5 | SCIENCE

## STUDENT UNIT 1 | ONE SUBJECT ONLY

Type answers in a compatible PDF viewer. Save a copy on your device, or print blank and write. This introductory unit is not a complete year.

# Grade 5 | SCIENCE

STUDENT SCIENCE WORKBOOK - Unit 1

Science only. Read the teaching text, then complete safe investigations, explanations and questions.

## Lesson 1: Matter and its properties

## Science Lesson

Learn: Matter takes up space and has mass. Materials can have observable properties such as solubility, color and conductivity. Water can change state through freezing, melting and evaporation; a change of state does not create a new chemical substance.

## Science Practice: 10 Assignments

1. Define matter.

2. Name two observable properties of a material.

3. Explain the difference between a solid and a liquid.

4. Describe melting.

5. Describe condensation.

6. Identify one safe way to observe evaporation.

7. Explain why the mass of a closed system is important when observing changes.

8. Design a table recording material, property and measurement.

9. Distinguish evidence from a guess.

10. Advanced: explain how pressure can affect boiling point without performing unsafe experiments.

## Observe and Explain

Separate observations from hypotheses and illustrations from measured results. Never invent experimental data. Use safe materials and adult guidance where needed.

## Advanced Science Extension

Form a measurable question about this lesson, describe a fair comparison and identify at least one limitation. This challenge is available at any age when prerequisites are mastered.

## Print and Navigate