

BRIGHTPENCIL KIDS

Solids, Liquids and Gases

Grade 4 | Ages 9-10 | Science

This pack helps learners practise

Properties of matter, sorting tasks, changes of state and simple investigation prompts.

Print-friendly | Original learning content | Adult-guided

1. Keep it short

Use one or two activity pages at a time. Younger learners benefit from short, positive sessions.

2. Read the directions

An adult can read instructions aloud and model the first example when helpful.

3. Encourage thinking

Ask the learner to explain a choice, count aloud, sound out a word, or describe what they notice.

4. Revisit later

Repeat a page after a few days if the skill is still developing. Progress matters more than speed.

Name field

Write the learner name only on your printed copy if you wish. The public website does not need a child account to use this resource.

1. Solid: keeps its own shape. Liquid: flows and takes container shape. Gas: spreads to fill space.

2. Give one example of each state.

1. Which state usually has a fixed shape? _____

2. Which two states can flow? _____

3. Which state spreads to fill a container? _____

Sort the examples

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1. Sort: ice, water, steam, stone, milk, air.

2. Add two more examples.

1. Ice to water is called _____.

2. Water to ice is called _____.

3. What causes these changes?

1. Liquid water to water vapour is _____.

2. Water vapour to liquid water is _____.

3. Give one everyday example.

1. Describe what happens to particles in a simple way when a solid melts.
2. Why can a gas be compressed more easily than a solid?

What felt easy?

What would you like to practise again?

Show what you know

Explain one idea from this pack to an adult, or create one new example of your own.

Great work!

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Learner name (optional on your printed copy)



Print. Learn. Grow.

BrightPencil Kids - original printable learning resource