

Knowledge Organiser
Year 4 Science
States of Matter

Websites

<https://www.bbc.co.uk/bitesize/topics/z6p6qp3/articles/zsgwrxs>

(All about States of Matter, BBC Bitesize)

[https://www.stem.org.uk/resources/community/collection/12345/](https://www.stem.org.uk/resources/community/collection/12345/year-4-states-matter)

[year-4-states-matter](https://www.stem.org.uk/resources/community/collection/12345/year-4-states-matter)

(Science investigations, STEM learning)

Remember to stay safe online!

What should we know?

- What are the three different states of matter?
- Can different materials change state?
- What examples of solids, liquids and gases can I think of?
- What is evaporation?
- How does water evaporate?
- What is the water cycle?
- How do solids turn to liquid?
- How do liquids turn to solids?
- Do gases hold weight?

Must: Use these words in context.

- solid
- liquid
- gas
- heating
- cooling
- freezing
- particles
- evaporation
- temperature
- boiling
- steam
- melt
- material

States of Matter

Could...Go The Extra Mile!

- Explore your own houses and find examples of solids, liquids and gases! You could take some photos of the examples you find!
- Explore how some materials change state when heating and freezing. (Chocolate or marshmallows etc.) You could even turn these into delicious treats to enjoy after!
- Create a poster explaining the processes of the water cycle.
- Use Google slides to create a presentation showing all the knowledge you have learnt about the three states of matter.
- Use Google forms to create your very own 'States of Matter Quiz'.