

# States of matter and changing state

materials

**What you need:** ice cubes from the same tray · electric kettle (teacher only) · jug of warm hand-safe water · clear plastic or glass cup · cold metal lid or small mirror · everyday state-sort items (wooden block or pencil, metal spoon, small sealed water bottle, inflated balloon or sealed bag of air) · paper zone mats labelled solid, liquid and gas

Words to use

Solid · Liquid · Gas · Changing state · Condensation

Our question

In which usual state — solid, liquid or gas — do we meet each everyday material?

I predict...because...

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What we found out

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Which zone had the most items, and why might that be?

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Which item caused the most disagreement, and what decided it?

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