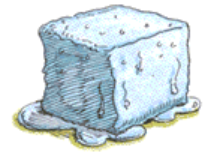


# Endpoints for Science

## Year 4 - States of Matter



### What I know and can explain

I can compare and group materials together, according to whether they are solids, liquids or gases.

I can explain that some materials change state when they are heated or cooled.

I can state the temperature at which changes of state occur, in degrees Celsius.

I can identify the part played by evaporation and condensation in the water cycle.

I can describe the relationship between temperature and evaporation.

I can give simple descriptions of the different states of matter (solids, liquids and gases).

I can identify and describe changes of state that are reversible.

I can describe the properties of particles in different states of matter.

I can develop a range of relevant, testable questions.

I can make clear the key characteristics.

I can start to use labelled diagrams to show complex outcomes.

I can suggest further relevant comparative or fair tests.

I can discuss alternative equipment that could be used.

### Useful Vocabulary

**causal**

**characteristics**

**comparative**

**complex**

**condensation**

**evaporation**

**freezing**

**gas**

**liquid**

**melting**

**particles**

**reversible**

**solid**

**state**

**testable**

**water cycle**