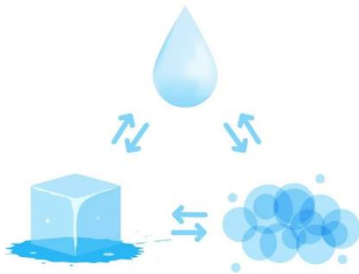


States of Matter



Sticky Vocabulary

solid, liquid, gas,
volume, heating,
cooling, state
change, melting,
freezing, melting
point, boiling,
boiling point,

Sticky Knowledge



- A solid keeps its shape and has a fixed volume.
- A liquid has a fixed volume but changes in shape to fit the container. A liquid can be poured and keeps a level, horizontal surface.
- Granular and powdery solids like sand can be confused with liquids because they can be poured, but when poured they form a heap and they do not keep a level surface when tipped.
- Each individual grain demonstrates the properties of a solid.
- A gas fills all available space; it has no fixed shape or volume.
- Melting is a state change from solid to liquid.
- Freezing is a state change from liquid to solid. The freezing point of water is 0oC.
- Boiling is a change of state from liquid to gas that happens when a liquid is heated to a specific temperature and bubbles of the gas can be seen in the liquid. Water boils when it is heated to 100oC.

I already know:

- Distinguish between an object and the material from which it is made.
- Identify, name and group a variety of everyday materials based on their properties.
- Identify and compare the suitability of a variety of everyday materials for particular uses.
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

