

Starters for Science are 4 activities that parents can use at home to help children develop their science alongside the key learning and vocabulary children are using at school. The activities are easy to resource and provide children with the stimulus to learn and talk about their science topic. Encourage children to use the correct vocabulary as they talk about what they are doing and finding out. Don't forget to share your work on social media

## #ScienceFromHome

### Key Learning:

Matter is composed of things that may be grouped into solids, liquids or gases.

Solids hold their shape. Liquids can flow and will form a pool. A gas can flow and will expand to fit a container.

A change of state happens when a substance is heated or cooled. Examples of changing state are melting, solidifying, evaporating and condensing.

Melting is when a solid changes into a liquid.

Solidifying is when a liquid changes into a solid

Evaporating is when a liquid becomes a gas.

Condensing is when a gas is changed back into a liquid.

Different solids melt at different temperatures. Chocolate will melt by being left in a warm place. It in your hand

### Vocabulary:

solid

liquid

gas

change of state

melt

solidify

evaporate

condense

### Solid, liquid or gas?

Can you find things in your house that are a solid, a liquid or a gas. List at least 3 things for each. Are there any that you find tricky to say which they are?

<https://www.stem.org.uk/rx34mg>

### Oh crumbs!

Take a biscuit and put it in a sealed bag. Now try and crush the biscuit into little pieces while it is still in the bag. Can you pour the biscuit into a bowl? What things can you usually pour out? Is the biscuit a solid or a liquid?

<https://www.stem.org.uk/rx32hm>

### Disappearing puddles

After a rain shower you will see puddles on the ground. Use a piece of chalk to draw around one of them and take a picture of it. Over time take more pictures and compare them. What happens to the puddle?

### Which chocolate melts the quickest?

Place some white chocolate buttons and some milk chocolate buttons on a plate and leave them in the sunshine. Which one do you think will melt first? Are there other chocolates you could test? Can you solidify the chocolate so you can eat it?

<https://bit.ly/36zMB9Hf>