

# States of matter science Autumn 2

## Solids

The properties of solids include:

- . Solids stay in one place and can be held.
- . Solids keep their shape. They do not flow like liquids.
- . Solids always take up the same amount of space. They do not spread out like gases.
- . Solids can be cut or shaped.

Even though they can be poured, sugar, salt and flour are all solids. Each particle of salt, for example, keeps the same shape and volume.



## Science Challenge...

In Science this week, we will be learning about solids, Liquids and gasses. Can you identify any solids, liquids, gasses around the home? Watch the video to provide more information, listen carefully. Once you have identified a solid, liquid or gas take some time to explore it.

How does it feel?

Is it heavy, light, cool or warm?

Let us know how many solids, liquids or gasses you can find & don't forget to have **FUN!**

<https://www.bbc.co.uk/bitesize/topics/zkkg87h/articles/zsgwwxs>

## Gases

The properties of gases include;

- . Gases are often invisible.
- . Gases do not have a fixed shape. They spread out and change their shape and volume to fill up whatever container they are in.
- . Gases can be squashed.



## Liquids

The properties of liquids include:

- . Liquids can flow or be poured easily. They are not easy to hold.
- . Liquids change their shape depending on the container they are in.
- . Even when liquids change their shape, they always take up the same amount of space. Their volume stays the same.

