

## Science - Lesson 1 - States of Matter

L.O: I can identify whether an object is a solid, liquid or gas.

Watch this clip below.

Can you write down as many facts as you can remember?



<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwxs>

## Solids



★ Solids can be cut, squashed or twisted.  
They will not change shape on their own.

★ Solid materials always take up the same amount of space.

★ They can be squashy or soft.

# Liquids



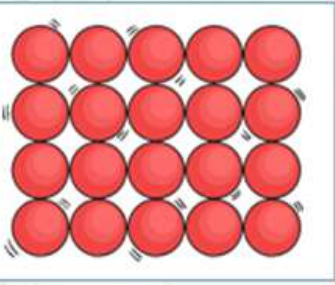
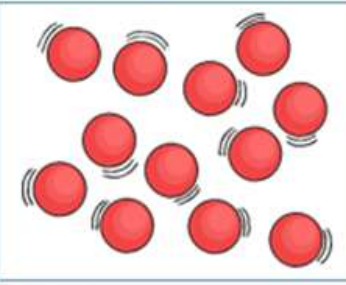
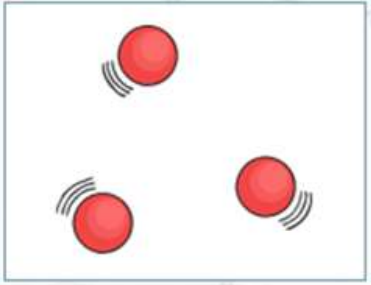
- ★ Liquids can flow or be poured.
- ★ Although liquids can change shape, they do not change their volume. This means they still take up the same amount of space.
- ★ Liquids take the shape of the container they are in.

# Gases



- ★ Gases do not keep their shape
- ★ Gases can be squashed
- ★ Gases can spread out to completely fill the container or room they are in.

# Particles

Solid	Liquid	Gas
		
<p>Particles are closely packed in a regular pattern. They vibrate on the spot.</p>	<p>Particles are closely packed in a regular pattern. They vibrate on the spot.</p>	<p>Particles are spread out and can move about quickly in all directions.</p>

Now can you use the sorting activity to group together the objects into solids liquids and gases?