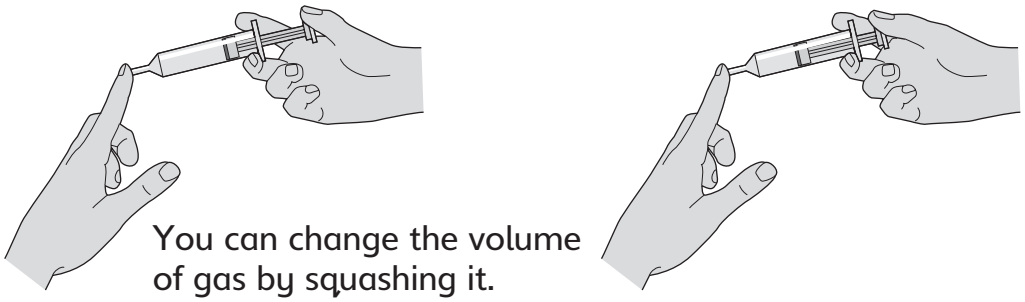
Properties of gases

A **gas** has different **properties** from a **solid** or a **liquid**.

Gases can be squashed. You cannot squash solids and liquids.



You can change the volume of gas by squashing it.

A gas spreads out to fill the container it is in. If you move some gas from a small container into a bigger one, it will spread out to fill the new container. Its **volume** has changed. Gases can flow.

1. The table summarises the properties of solids, liquids and gases. Complete the table by putting ticks or crosses in the boxes. The first row has been completed for you. (You might need to look back at page 23 to help you.)

Property	Solid	Liquid	Gas
changes shape	✗	✓	✓
flows			
keeps the same volume			
can be squashed			

2. a) Write down one way that a gas is similar to a liquid.

_____

b) Write down one way that a gas is different from a liquid.

_____

Did you know?

A sponge is a solid with gaps in it. The gaps are filled with **air**. When you squeeze a sponge, you are squashing the air in the gaps. You are not squashing the solid parts of the sponge.