

# Liquid, Solid or Gas?

## Amazing Fact

If you fill a large container with custard powder mixed with water, you will find that you can walk across it to the other side!

Different materials can usually be grouped, depending on whether they are solids, liquids or gases.

Liquid – can flow or be poured easily

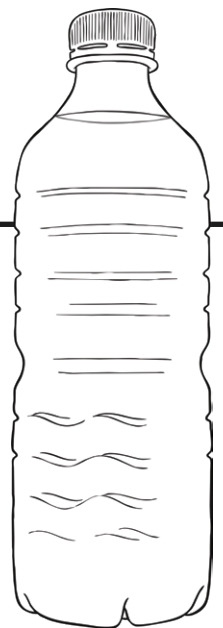
Solid – something that can be picked up

Gas – something you often cannot see or smell, like oxygen

## Challenge

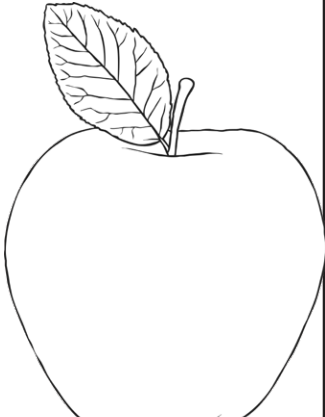
Sort the words below into the table on the following page.

milk	crisps	air	water	book
oxygen	apples	ice	cup	carbon dioxide
helium	biscuit	lemonade	fruit juice	



You could also try to find out:

- if you can find a video that shows this happening;
- if you can try it for yourself;
- what a non-Newtonian liquid is;
- how it works.

Solids	Liquids	Gases
		

# Answers

## Challenge

Solids	Liquids	Gases
crisps book apples ice cup biscuit	milk lemonade fruit juice water	air oxygen carbon dioxide helium

You could also try to find out:

- **Liquids typically flow and take the shape of the container that they are poured into. However, some liquids are different!**
- **Non-Newtonian liquids can suddenly get thicker and act like a solid if a force is applied to them (for example, walking on custard powder mixed with water!).**