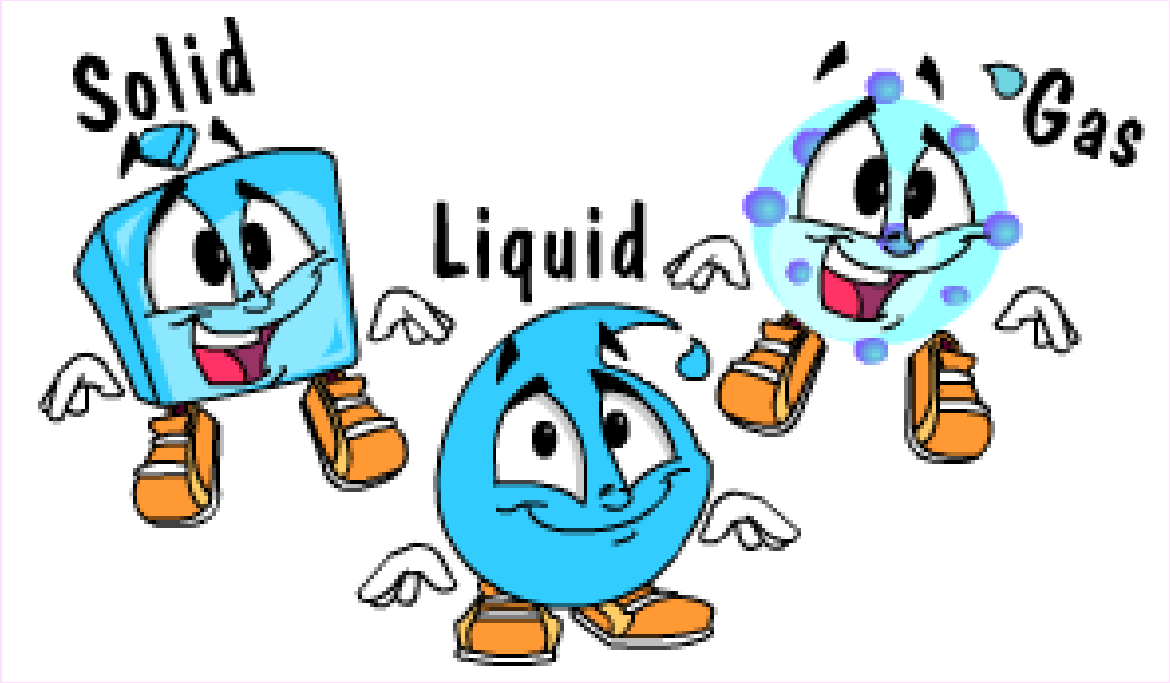
Solids, Liquids and Gases

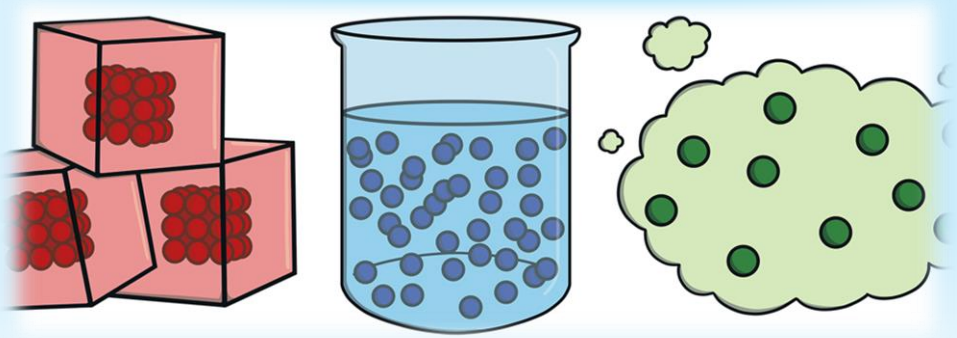
Week Beginning Monday 22nd February 2021



Year 4

Science Unit States of Matter

L.O: to recognise the differences between solids, liquids and gases.



Solids

- 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.

Solid, Liquid, or Gas?

Look at the room around you.

Can you see any other examples of **solids**?







Liquids

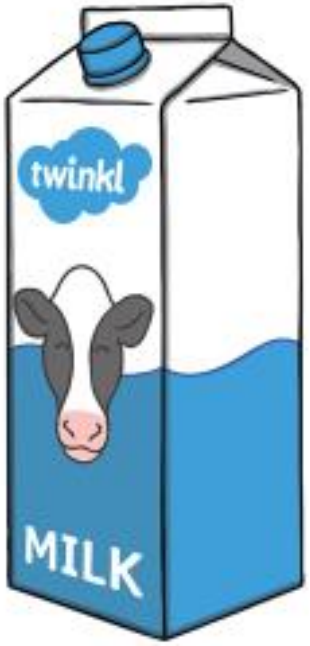
- Liquids can **flow** or be **poured** easily. They are not easy to hold.
- Liquids change their shape depending on the container they are in.
- Even when liquids change their shape, they always take up the same amount of space. Their **volume** stays the same.

Solid, Liquid, or Gas?

Look at the room around you. Can you see any other examples of **liquids**?







Gases

- Gases are often invisible.

- Gases do not keep their shape or always take up the same amount of space. They spread out and change their shape and volume to fill up whatever container they are in.

- Gases can be squashed.

Solid, Liquid, or Gas?

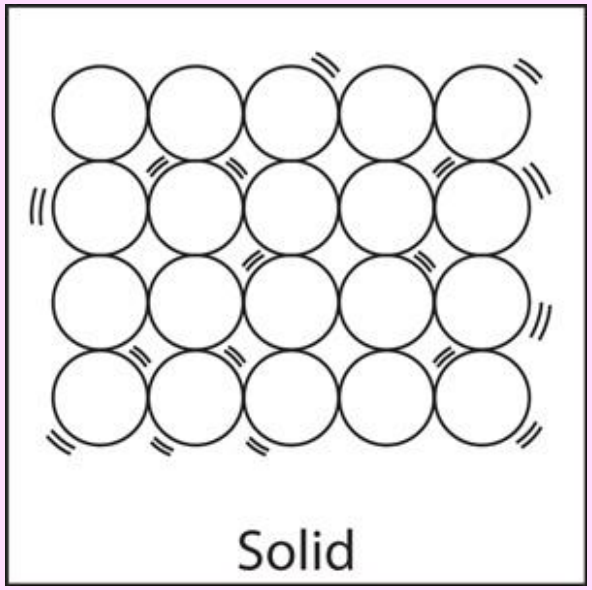
Look at the room around you and outside. Can you see any other examples of a **gas**?

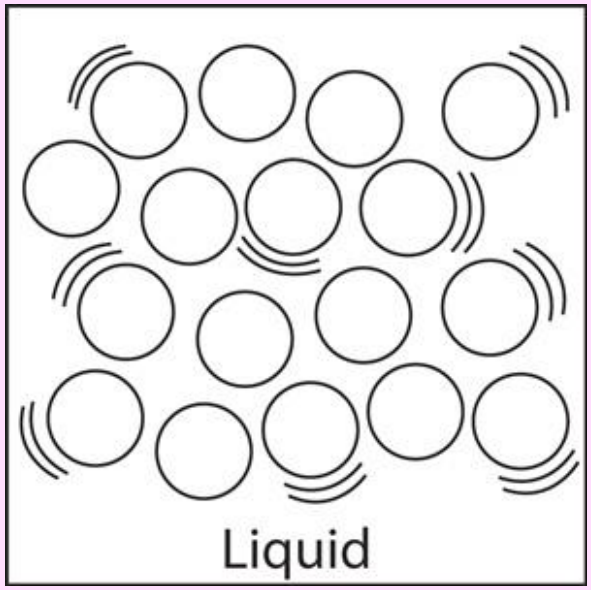


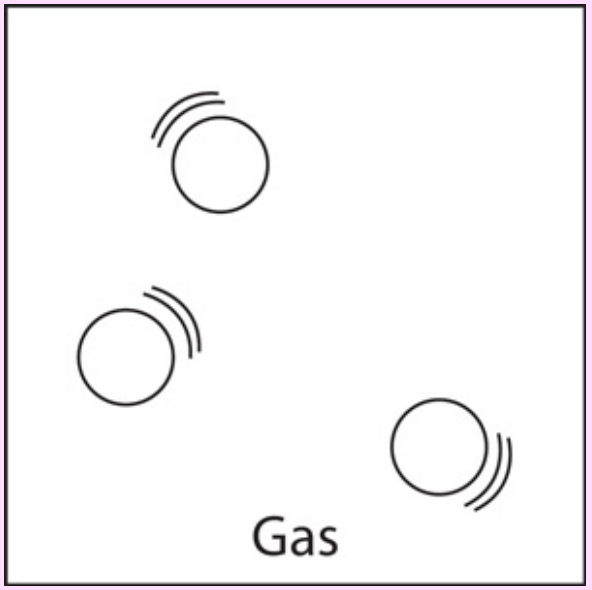


What do you think these images represent?

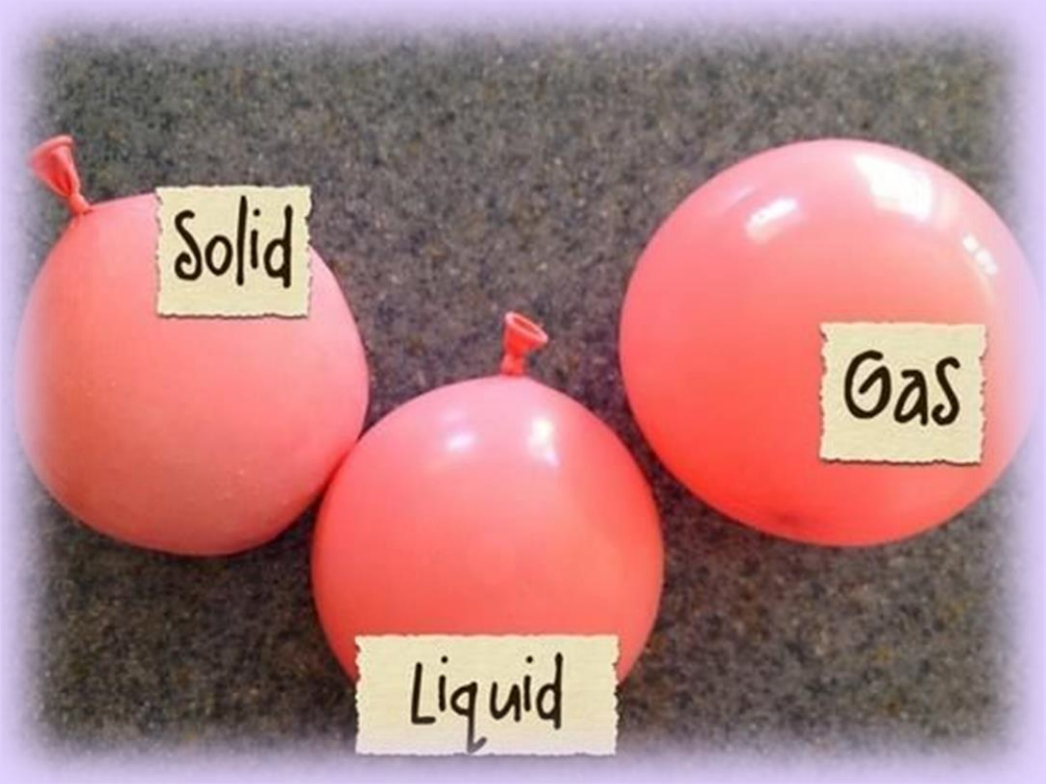
Think carefully, using your own observations.







Now try this:
The idea of having three identical balloons filled with ice, water and air is a great way of observing water as a solid, liquid and gas.



KS2

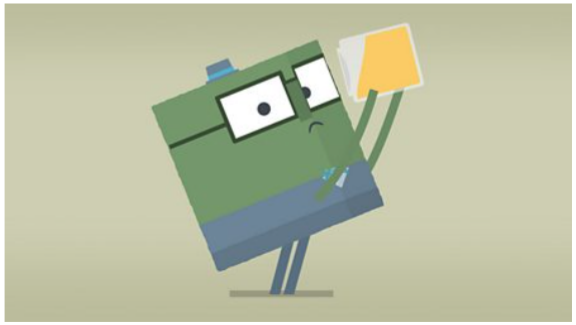
Solids, liquids and gases

Part of Science

4 learner guides + 9 class clips

What are the states of matter? >

Find out about the difference between solids, liquids and gases.



https://www.bbc.co.uk/bitesize/topics/zkgg87h

Complete your Science study by having a look at this BBC Bitesize clip.