

Science - Test Your Skills

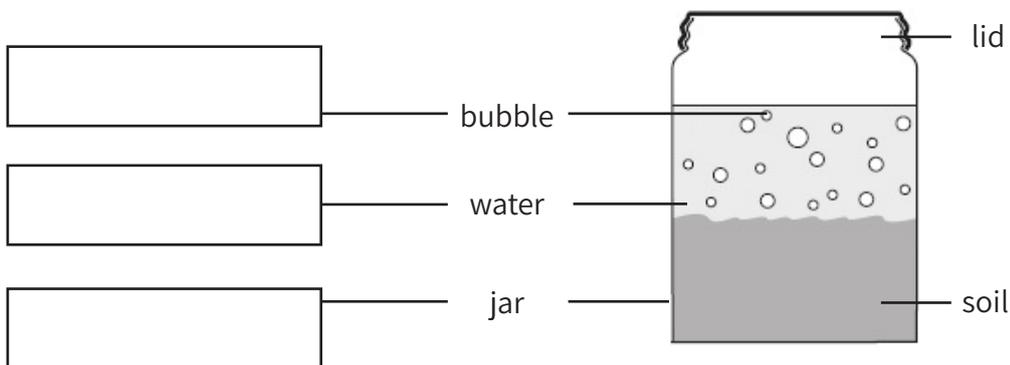
Year 4 States of Matter



1. Tom puts some soil and water in a jar with a lid.

He sees bubbles rising to the surface.

Complete the labels. Write **solid**, **liquid** or **gas** in each box.



1 mark

2. Put a tick in each row of the table to show if each material is a **solid**, **liquid** or **gas**.

Material	Solid	Liquid	Gas
glass			
vinegar			
bicarbonate soda			
the inside of bubble			

1 mark

3. Harry dries some T-shirts indoors on a radiator.

Name the process that happens to the water in Harry's T-shirts as they dry.

1 mark

4. Harry saw that liquid water formed on the windows in the room when the T-shirts were drying on the radiator.

Name the process that causes liquid water to form on the windows.

1 mark

5. Tick **one** box in each row to match each process to its correct name.



Processes that happen on mountains

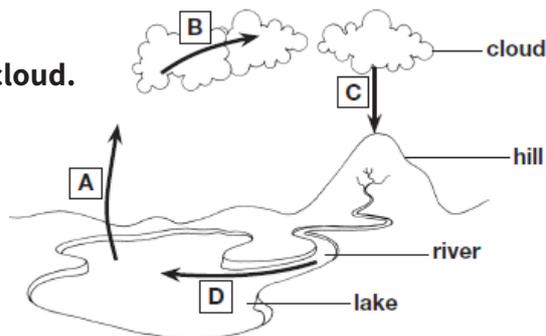
- A - Water vapour in the air cools down form water droplets.
- B - Water droplets change into snow.
- C - Snow on mountains changes into water.
- D - Water changes into ice.

1 mark

Process	Name of process			
	melting	freezing	condensing	evaporating
A				
B				
C				
D				

6. Look at the diagram of the water cycle.

Name what happens at arrow **C** when water droplets leave the cloud.



1 mark

7. Clouds are made up of tiny water droplets.

Name the scientific process that happens at arrow B and turns water vapour into clouds of water droplets.

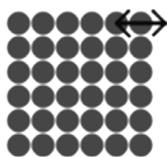
1 mark

8. Write **yes** or **no** in each row of the table to show if the activity causes a **reversible** change.

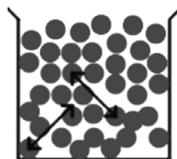
Activity	Does the activity cause a reversible change? Yes or no ?
Baking a cake	
Frying eggs	
Dissolving sugar	
Burning candles on a birthday cake	
Making ice cubes	

2 marks

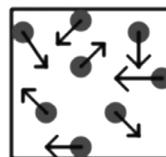
9. Look at the diagrams below.



Solid



Liquid



Gas

1 mark

Describe how the particles are arranged in either solid, liquid or a gas.

/10

Total