

Online science activities for Changing State topic.

Lesson 3 – changing states of matter

Activity 1: Have a go at these three starter questions – they will remind you of the work that we covered last week on how to change a liquid into a solid or a solid into a liquid.

Question 1:

Cakes

(a) Jacob makes some cakes for an investigation.

These are some of the ingredients he uses.



Which **TWO** ingredients in the picture are solid at room temperature, but **change** to liquid when they are heated?

1.
2.
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Question 2:

Solids, liquids and gases have different properties.
The chart below shows some of these properties.

Complete the table by ticking to show the properties of solids, liquids and gases.

The first row has been done for you. Some rows may need more than one tick.

property	solid	liquid	gas
keeps its own shape	✓		
flows easily through a pipe			
can make rigid or stiff structures			
can be squashed into a much smaller volume			
takes the shape of the container into which it is put			

Question 3:

Tom records the air temperatures in the table below.

(i) Write **yes** or **no** to show if Tom could find ice on the puddle each day.

	Day				
	Mon	Tues	Wed	Thurs	Fri
Temperature (°C)	3	-2	-1	-1	6
Could Tom find ice on the puddle? Yes or no?					

(ii) Explain why there could be ice on the puddle on the days you chose.

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Activity 2: Watch this BBC bite size clip as revision and complete the diagram and quick quiz to check you have understood the work so far.

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z9ck9qt>

Activity 3 : Watch Icy The Ice cube Powerpoint and fill in the story board. Fill in your storyboard to explain in as much detail as you can, what changes of state are occurring and why.