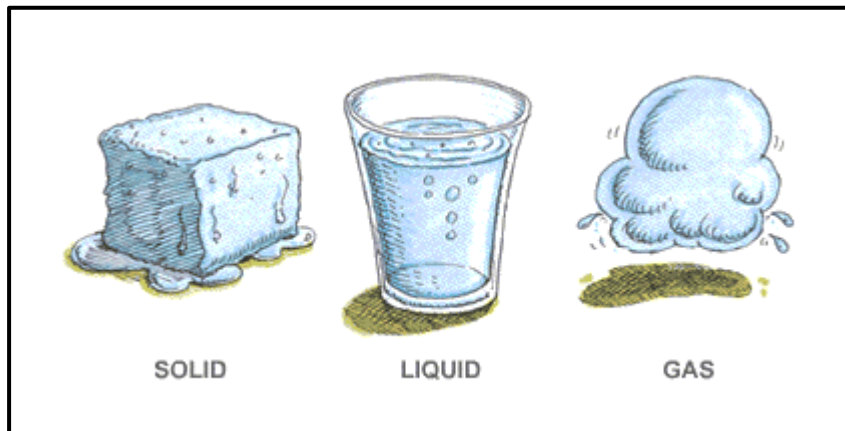


Kayaks

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Recap: Below is a picture of the three states of matter: solid, liquid and gas.



What can you remember about each one? How are they different? Write down two statements or draw a diagram to describe each state of matter.

Solid	Liquid	Gas

Can you remember the scientific languages that explain how some materials change their state? Unjumble the words below to see if you are correct.

zeerfe	
letm	
teah	
oolc	

Water

The chemical symbol for water is H₂O.

- Do you think that the chemical symbol will **change** if water is cooled and solidifies into ice?
- Do you think the chemical symbol will **change** if water is heated and turns into a gas or vapour called steam?

Explain your ideas:

Here are two new scientific words that explain the change in state when water is heated or cooled: **evaporate** and **condense**. Do you know which one goes in each of the questions above?



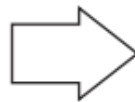
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below 100°C	evaporates	condenses	freezes
heat	melts	0°C	100°C
cool	cool	heat	
0°C			

Using the words in the box above – complete the **changes of state** sentences.

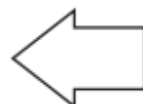
If you _____ water to a temperature of _____, it _____ to form water vapour.



If you _____ water vapour to a temperature of _____, it _____ to form water.



If you _____ ice to a temperature of _____, it _____ to form water.



If you _____ water to a temperature of _____, it _____ to form ice.

