

Online science activities for Changing State topic.

Lesson 2 – changing states of matter

This week we are trying to change a liquid into a solid. What do you think we should do? How would you change liquid water into solid water (ice)? What about salt water, coloured water, a fizzy drink or cooking oil? Do you think they would look and feel different to solid pure water?

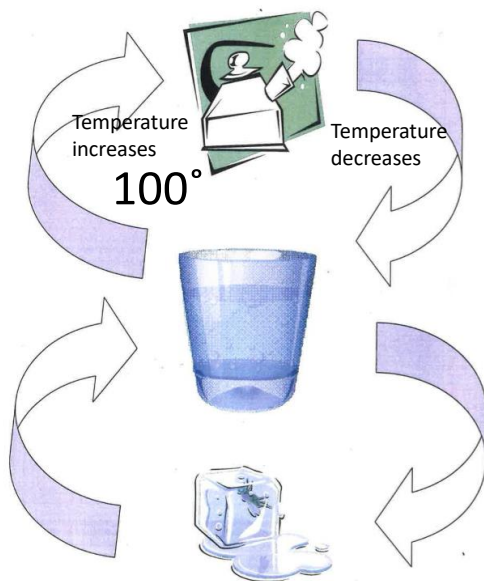
If you are allowed to, you may be able to repeat these experiments at home. They are simple and safe but remember to ask permission before you do it! Watch these two clips first.

<https://www.youtube.com/watch?v=U4LbXZib0s0&feature=youtu.be>

<https://www.youtube.com/watch?v=8bi6ZxOOOCA>

If you have a thermometer in the house, you could test the temperatures of each of the liquids after you have done the experiment. (Don't go out and buy one!)

Draw the changes of state diagram on a piece of paper to remind you of the processes involved.



This is a 'changing states of water' diagram:

Can you add information to this diagram: write solid, liquid and gas in the correct places.

Fill in your liquid to solid diagram words. Which arrow should say temperature increases or temperature decreases?

What temperature did water turn into STEAM (gas)?

Can you find out what temperature liquid water changes into solid ice? Add this to the diagram.

You can draw this on paper or print it and add the words to it if you have a printer.