Lesson 10

States of matter and changing state

Materials

Words to use

Solid · Liquid · Gas · Changing state · Condensation

Our question

> What happens to water when we heat it and cool it?

My prediction: what will happen to the ice when it is warmed, and what will we see on the cold lid?

Before and after. For each change, write solid, liquid or gas in the two middle boxes, then heated or cooled.

What we watched	Before, it was a…	After, it was a…	Was it heated or cooled?
The ice in the warm water			
The water boiling in the kettle			
The steam meeting the cold lid			

What I saw, a line for each change: 1 the ice in the warm water, 2 the kettle, 3 the cold lid

1

2

3

Did my prediction match? What happened?

Draw the water particles in each state, as the particle model showed them



It was still water all the way through because…

One other place I have seen water melt, turn into a gas, or condense, and which change it was