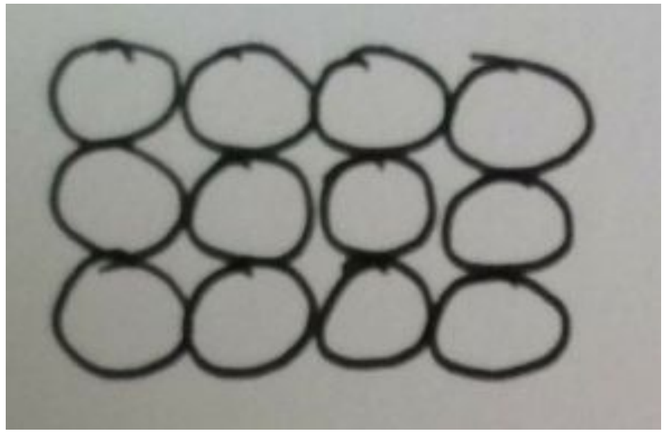
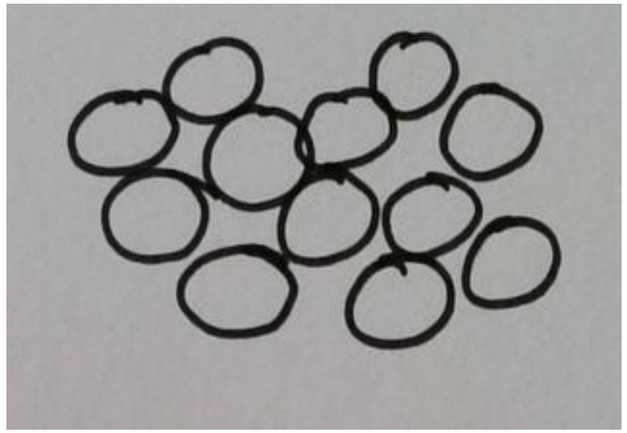
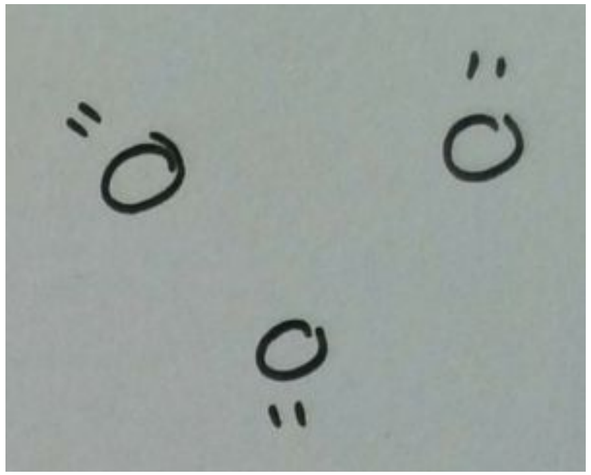
What are melting points and boiling points?

Science

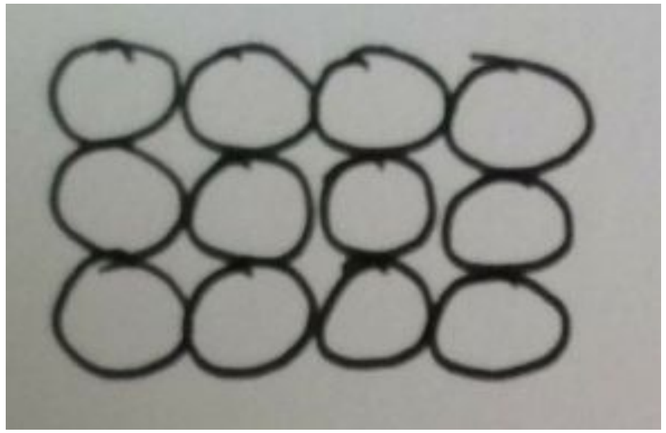
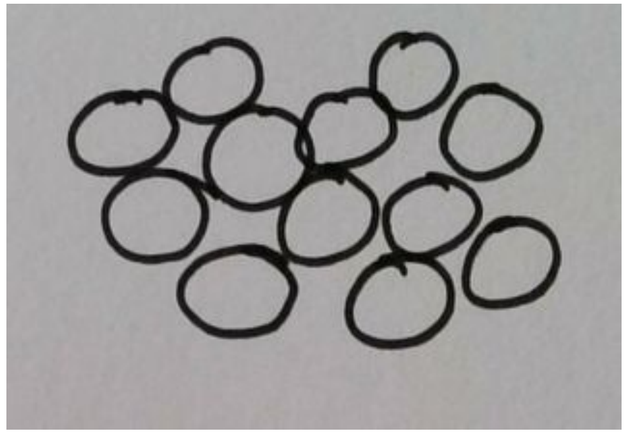
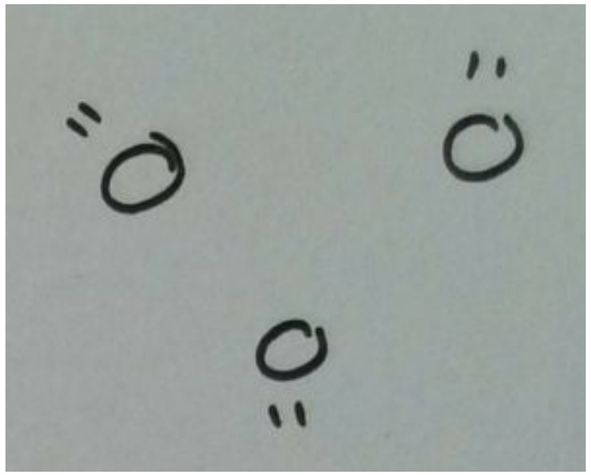
Miss Couves

What happens to the particles as they are heated?

Solid	Liquid	Gas
		

_____ temperature - particles have _____ _____ - the substance _____

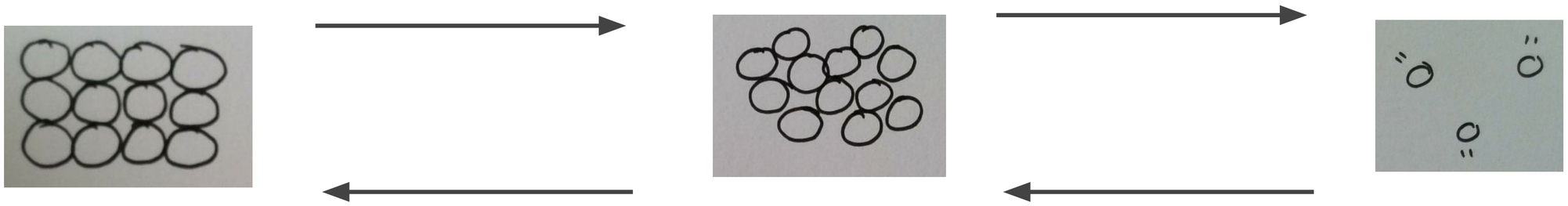
What happens to the particles as they are cooled?

Solid	Liquid	Gas
		

_____ temperature - particles have _____ _____ - the substance _____

Which state change does each arrow represent?

Solid	Liquid	Gas



How do we measure temperature?

1. What is temperature?

Temperature is a measure of _____.

2. What scale do we normally use to measure temperature?

We normally use a scale called _____ which is written as _____ .

3. How did scientists decide what 0 and 100 should mean in this scale?

0°C is the temperature that _____

100°C is the temperature that _____

Is water a solid, liquid or gas at 25 °C?

Substance	Melting point (°C)	Boiling point (°C)
Water	0	100
Aluminium	660	2467
Chlorine	-101	-35
Iodine	114	184
Oxygen	-218	-164

Is aluminium a solid, liquid or gas at 25 °C?

Substance	Melting point (°C)	Boiling point (°C)
Water	0	100
Aluminium	660	2467
Chlorine	-101	-35
Iodine	114	184
Oxygen	-218	-164

Is chlorine a solid, liquid or gas at 25 °C?

Substance	Melting point (°C)	Boiling point (°C)
Water	0	100
Aluminium	660	2467
Chlorine	-101	-35
Iodine	114	184
Oxygen	-218	-164

Is iodine a solid, liquid or gas at 100 °C?

Substance	Melting point (°C)	Boiling point (°C)
Water	0	100
Aluminium	660	2467
Chlorine	-101	-35
Iodine	114	184
Oxygen	-218	-164

Is oxygen a solid, liquid or gas at 0 °C?

Substance	Melting point (°C)	Boiling point (°C)
Water	0	100
Aluminium	660	2467
Chlorine	-101	-35
Iodine	114	184
Oxygen	-218	-164