

Science

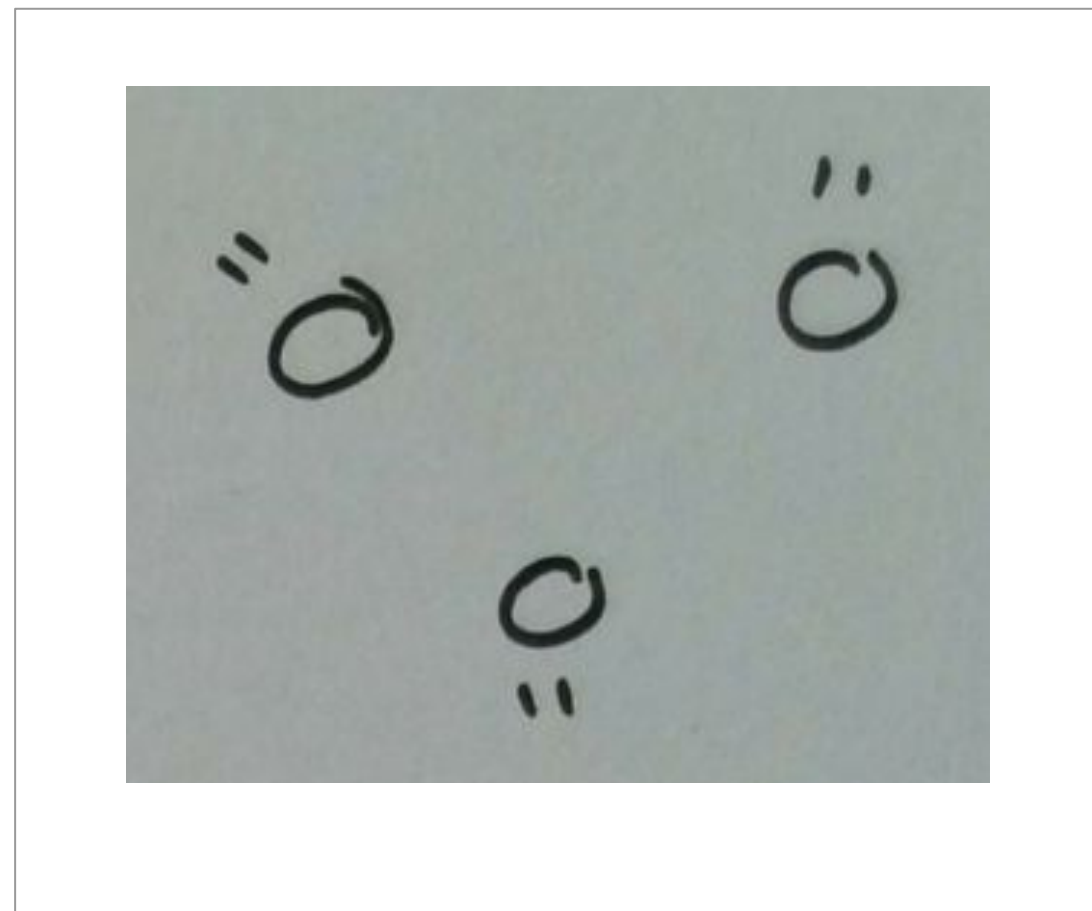
What are melting points and boiling points?

Downloadable Resource

Miss Couves



What do the particles look like in solids, liquids and gases?



Draw lines to match the description to the correct state of matter.

Solid

Particles are touching and in ordered rows

Liquid

Particles are far apart from each other

Gas

Particles are touching in a random arrangement



Draw lines to match the description to the correct state of matter.

Solid

Particles can slide past each other

Liquid

Particles are moving constantly in all directions

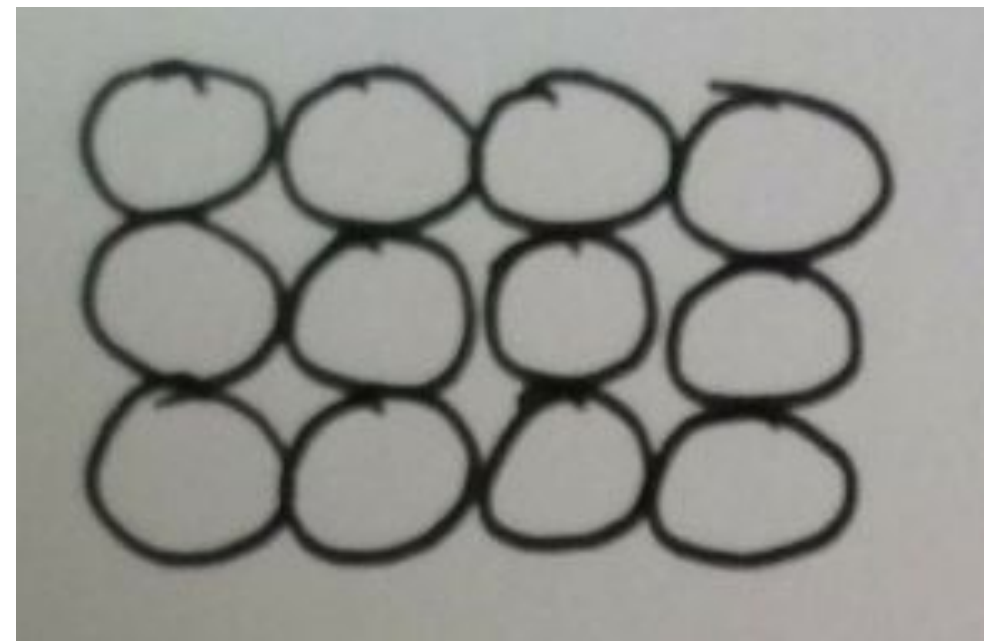
Gas

Particles cannot move but can vibrate

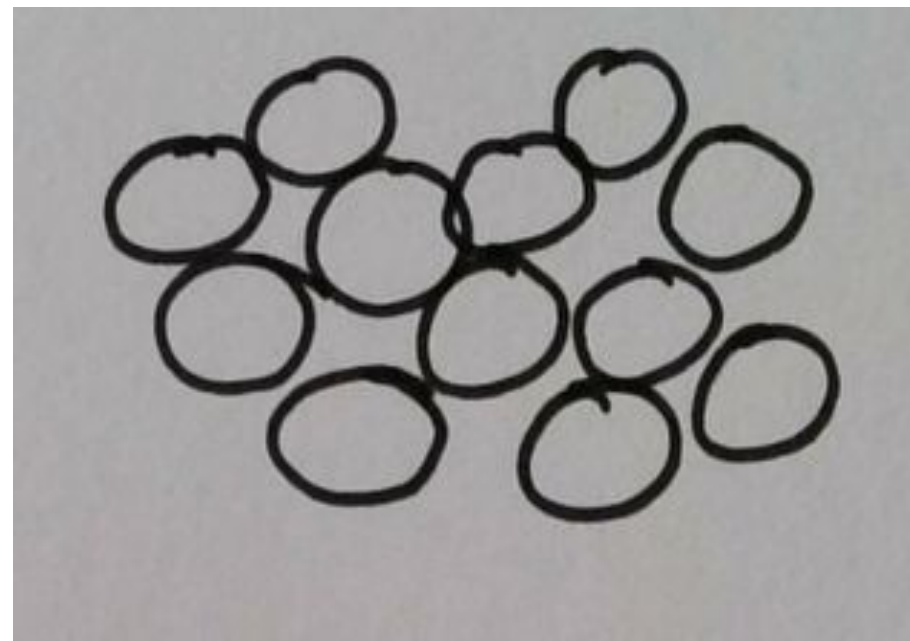


What happens to the particles as they are heated?

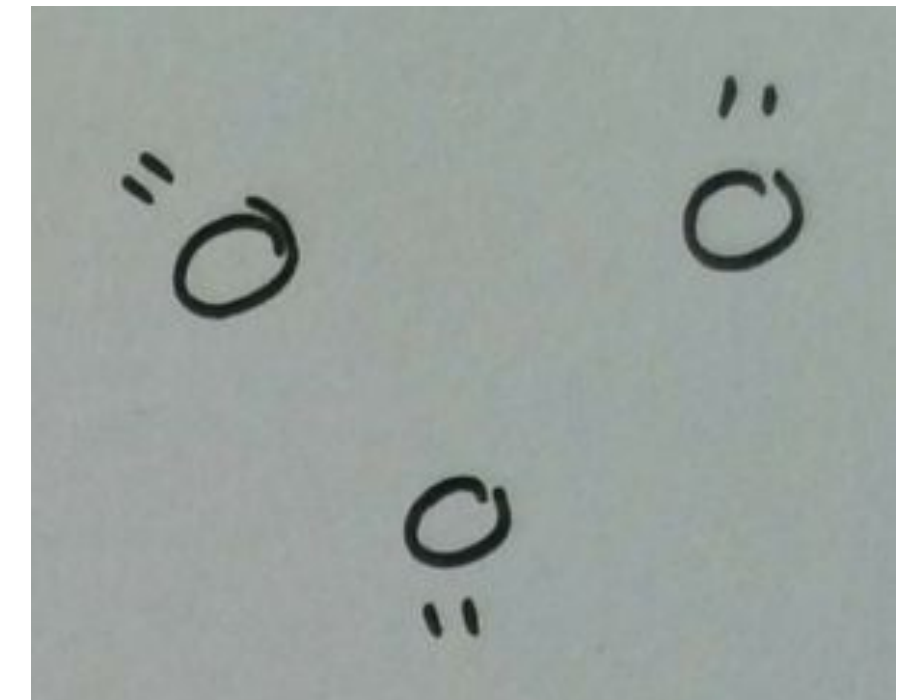
Solid



Liquid



Gas

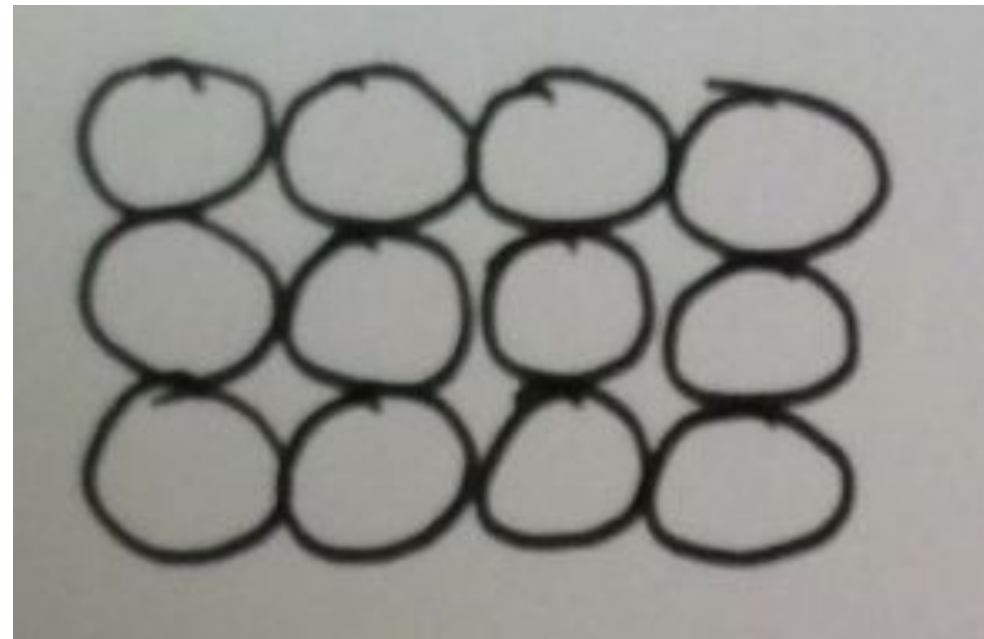


_____ temperature - particles have _____ - the
substance _____

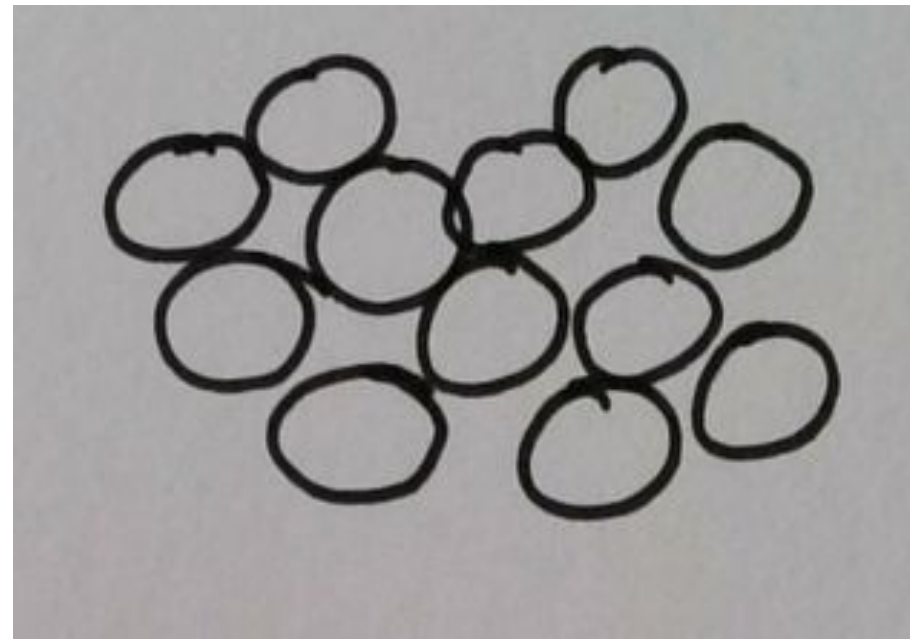


What happens to the particles as they are cooled?

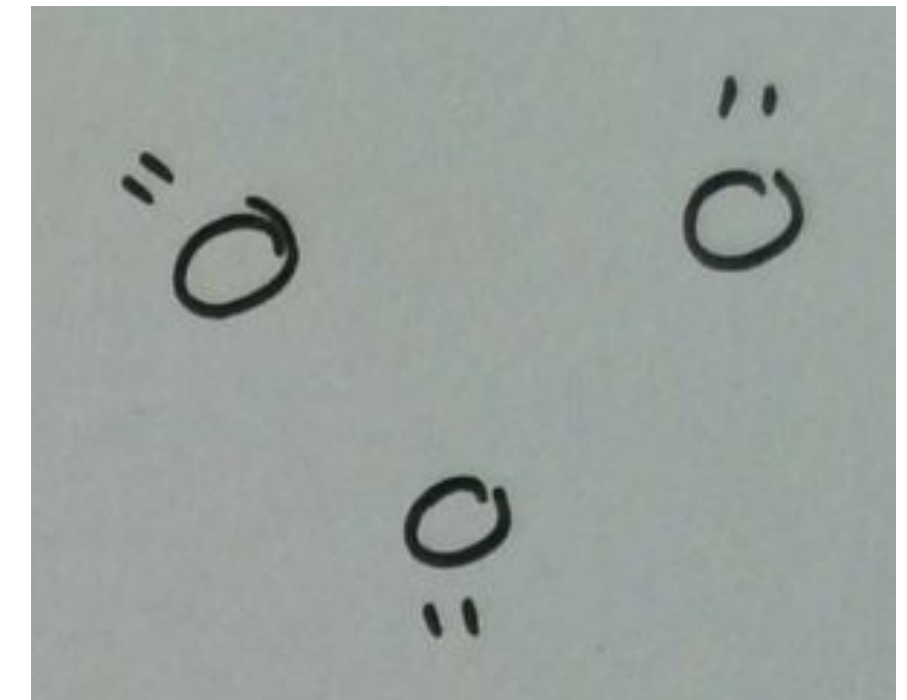
Solid



Liquid



Gas



_____ temperature - particles have _____ - the
substance _____

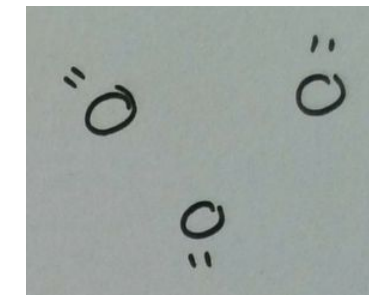
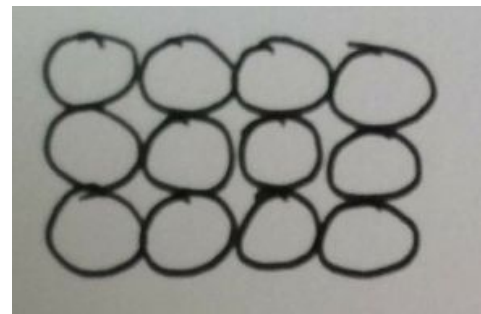


Which state change does each arrow represent?

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

