

What happens during a state change?

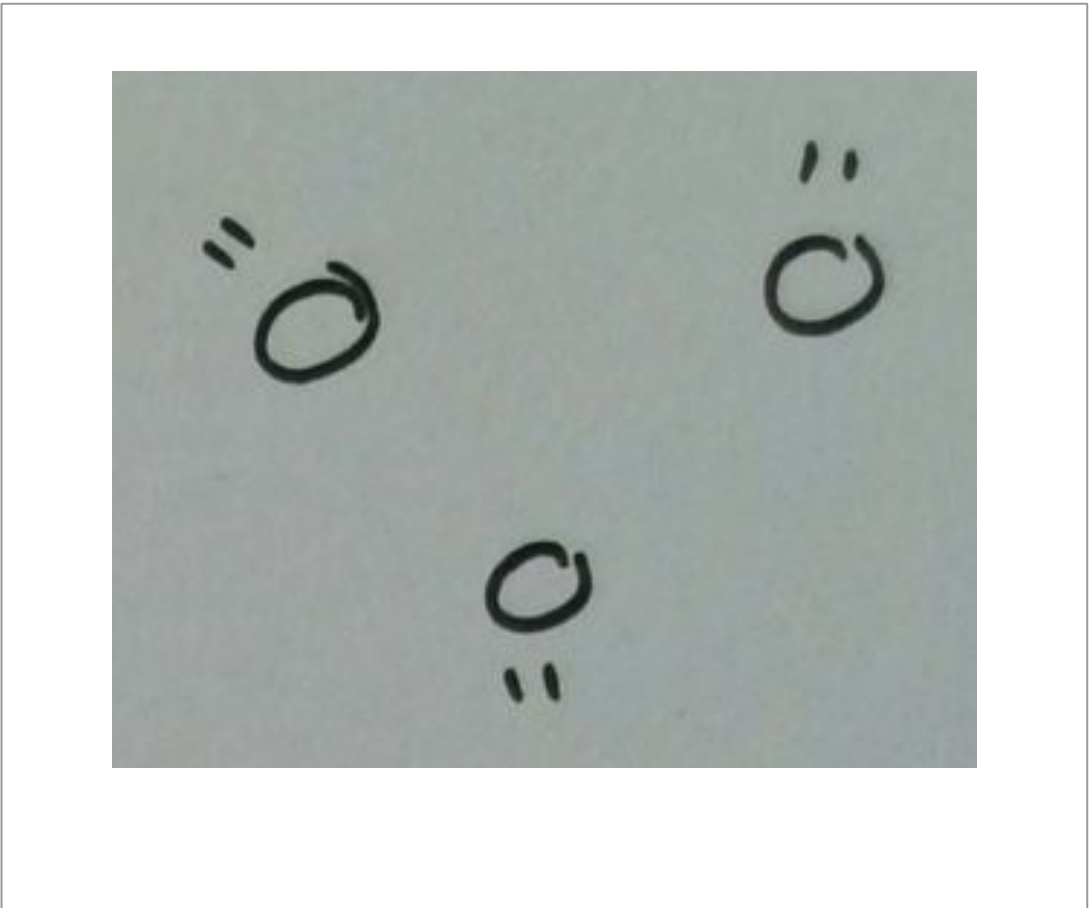
Worksheet

Science

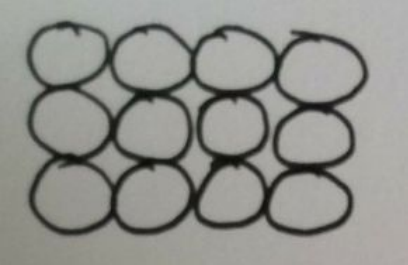
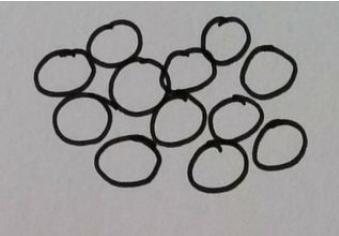
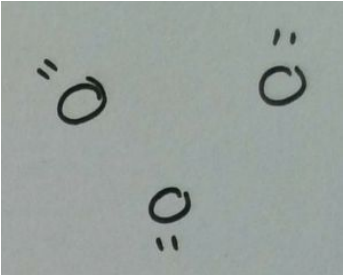
Miss Couves



Which state of matter does each diagram represent?

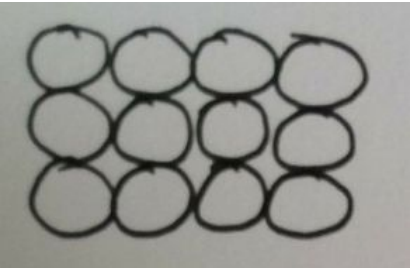
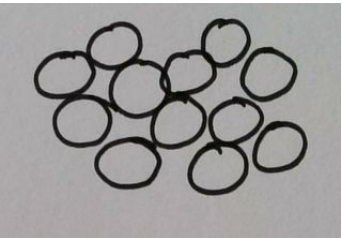
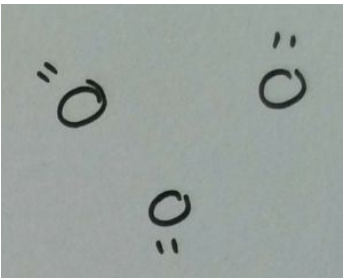


Particles in solids, liquids and gases

State of matter	How close are the particles?	How are particles arranged?	How much do the particles move?
Solid 			
Liquid 			
Gas 			

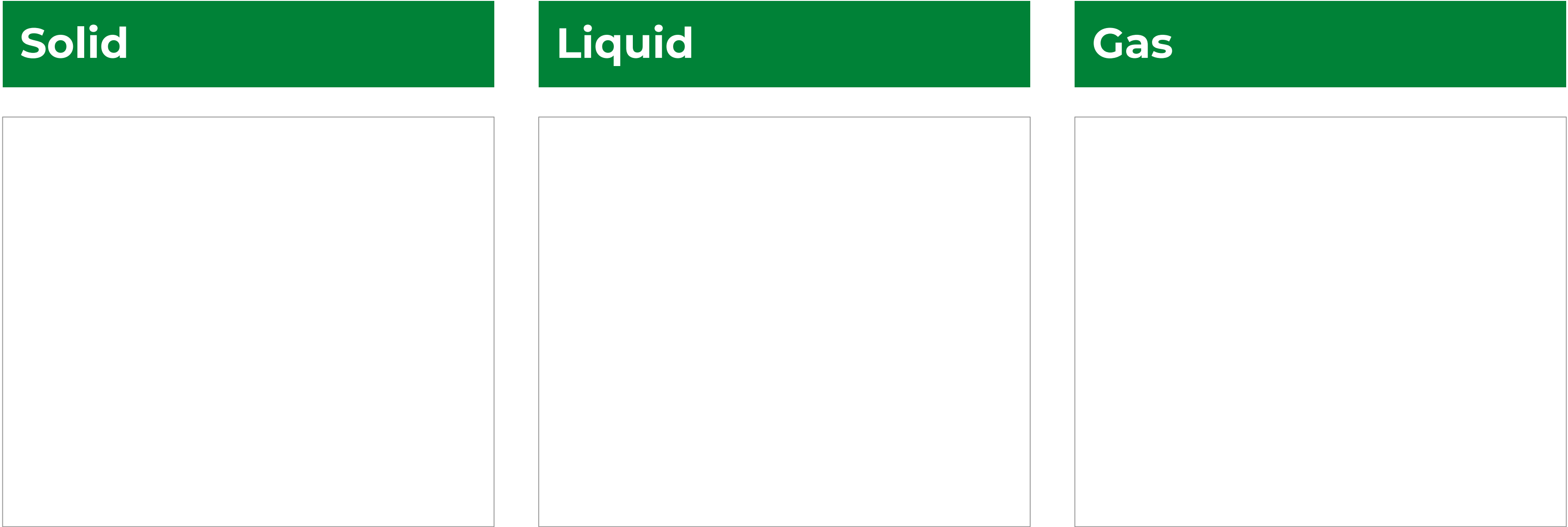


Properties of solids, liquids and gases

State of matter	Can be compressed	Can flow	Can change shape
Solid 			
Liquid 			
Gas 			



Complete the diagram in your notes:

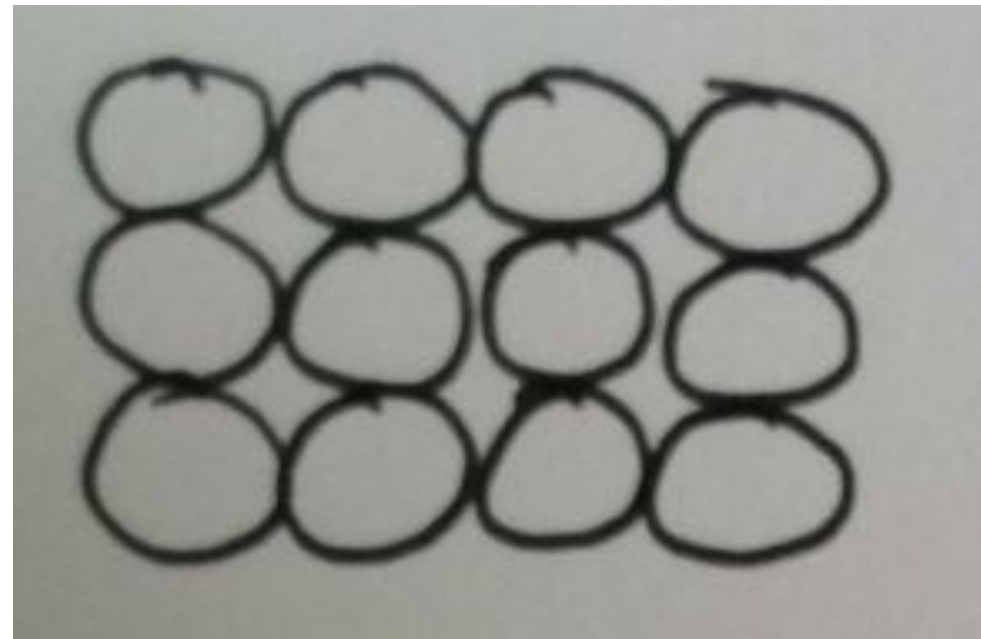


_____ temperature - particles have _____

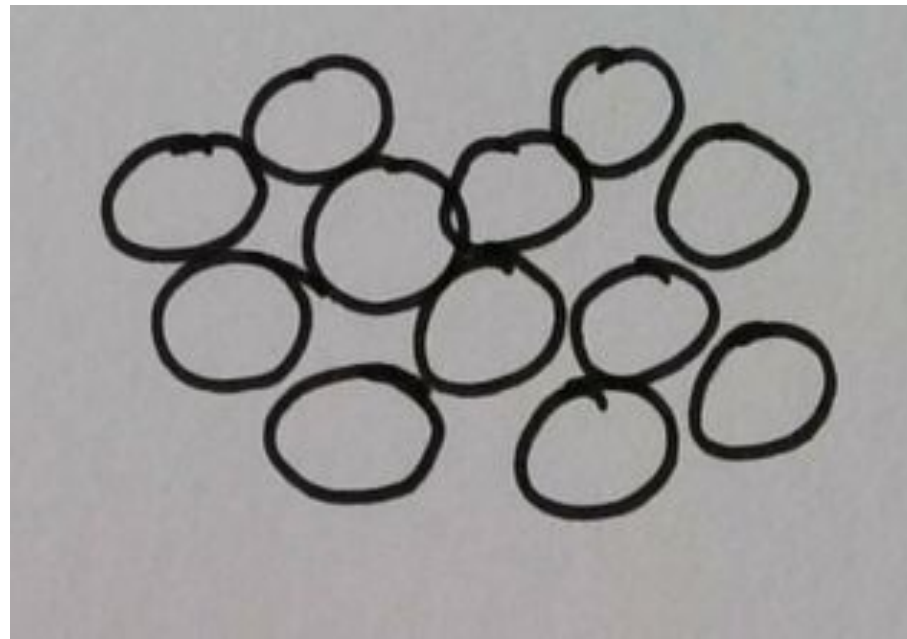


What happens to particles during cooling?

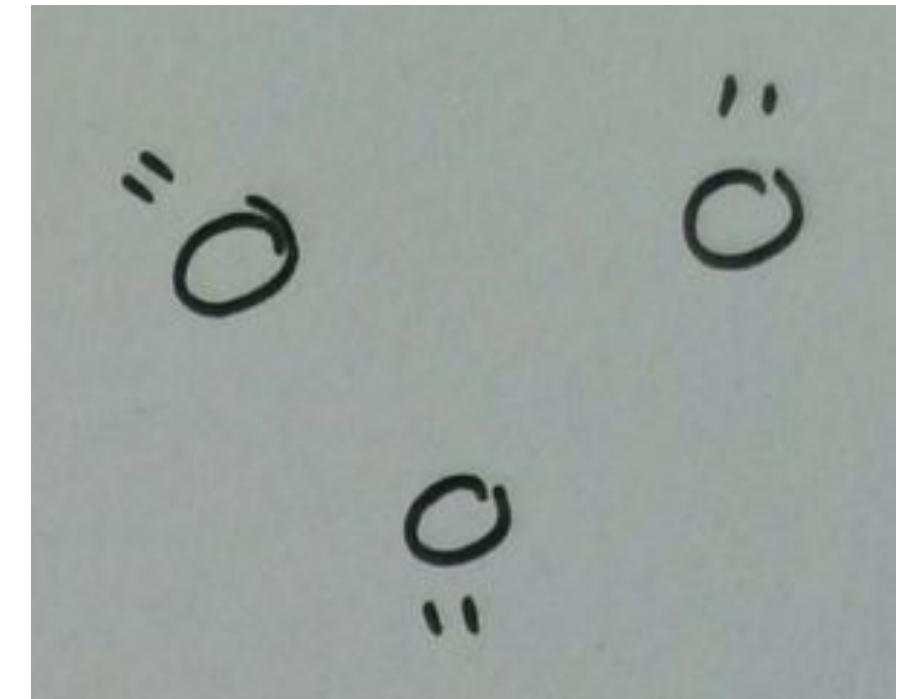
Solid



Liquid



Gas



← decreasing temperature - particles have _____



Which state change does each arrow represent?

Solid

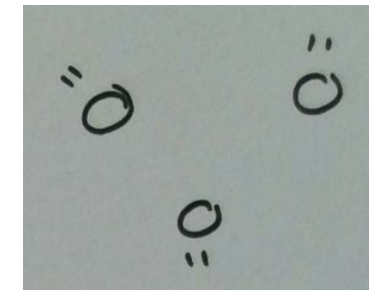
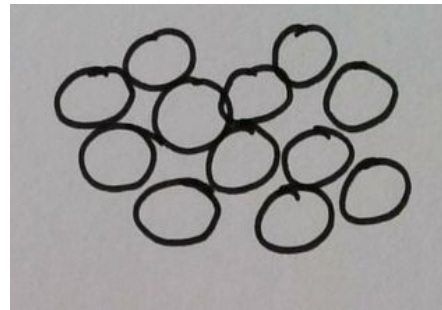
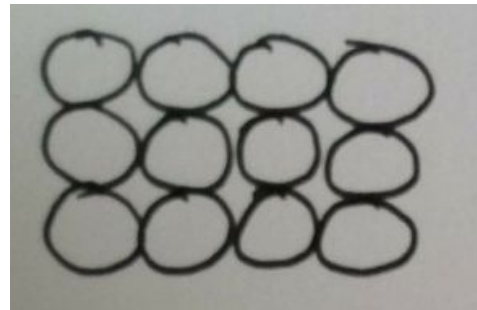
Liquid

Gas

Ice

Water

Steam



Which state changes involve particles gaining energy?

Option 1

Melting

Option 2

Boiling

Option 3

Condensation

Option 4

Freezing



Which state changes involve particles losing energy?

Option 1

Melting

Option 2

Boiling

Option 3

Condensation

Option 4

Freezing



Which state change?

Example	State change	Why?
Steam produced from a kettle.		
Rain turning into snow.		
An ice cream on a hot day.		
Water forming on the bathroom mirror.		

