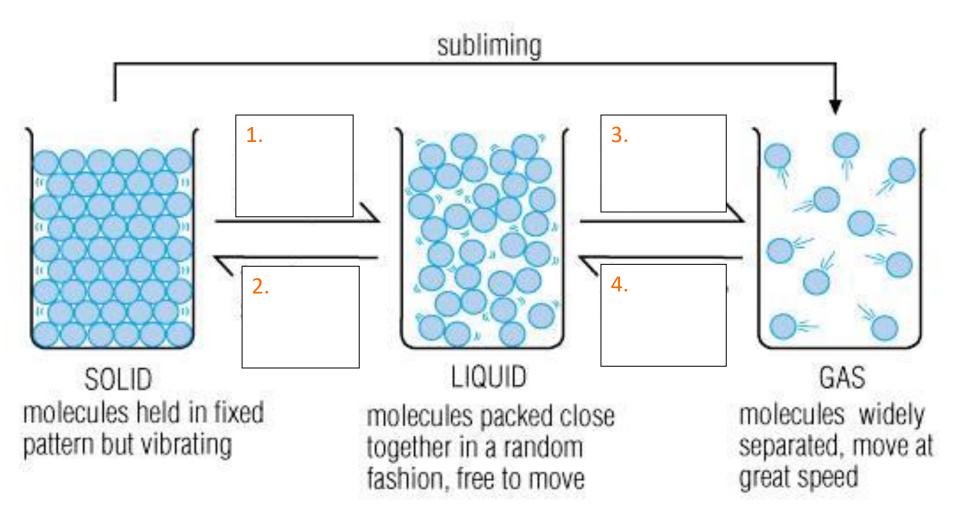
# Lesson 3

Lesson	Resources	Context
3	Ice cubes, 500ml beaker, access to	Modelling changes of
	water, Bunsen burner, tripod, gauze,	state.
	matches (to light Bunsen).	
	Sheet for student – slide 2	Assessment phase of
	A4 plain paper	drawing a cartoon
		strip.



#### **Starter – Title: Changing state**

	Activity	Expectations
All	What are the three forms that water can take?	Write the answers in your book.
+	What processes does water undertake to become these three different forms.	Discuss with the person next to you.

#### **ANSWERS:**

Solid (ice) – freezes.

Liquid (water) - melts or condenses.

Gas (water vapour) – evaporates or sublimation.



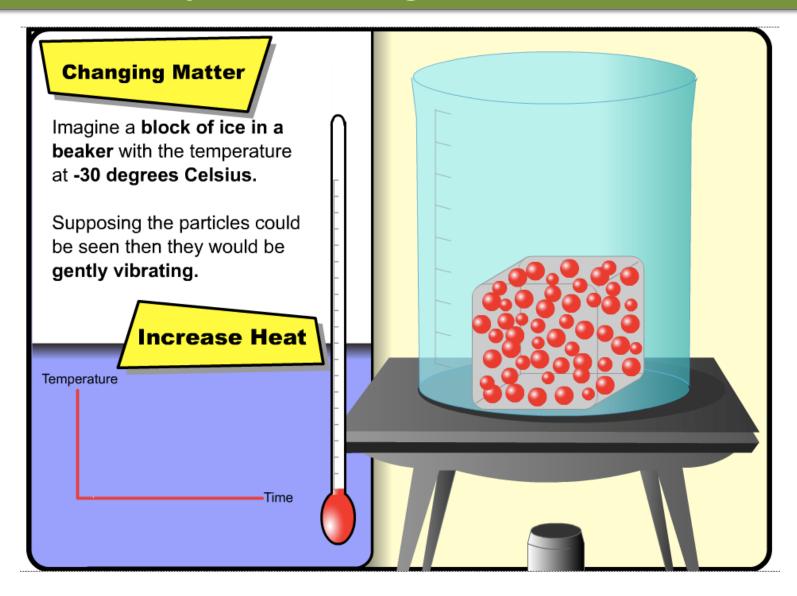


### **Title: Changing State**

#### Homework: Learn the keywords for the topic for a spelling test.

Level	Learning Objectives	Key Words	SPAG
All	Identify the different changes of state.		<ul> <li>To use accurate terminology</li> </ul>
Most	<b>Describe</b> how to change from one state to another.	Evaporate Condensation	when explaining ideas
Some	<b>Explain</b> how the changes happen in terms of energy.		

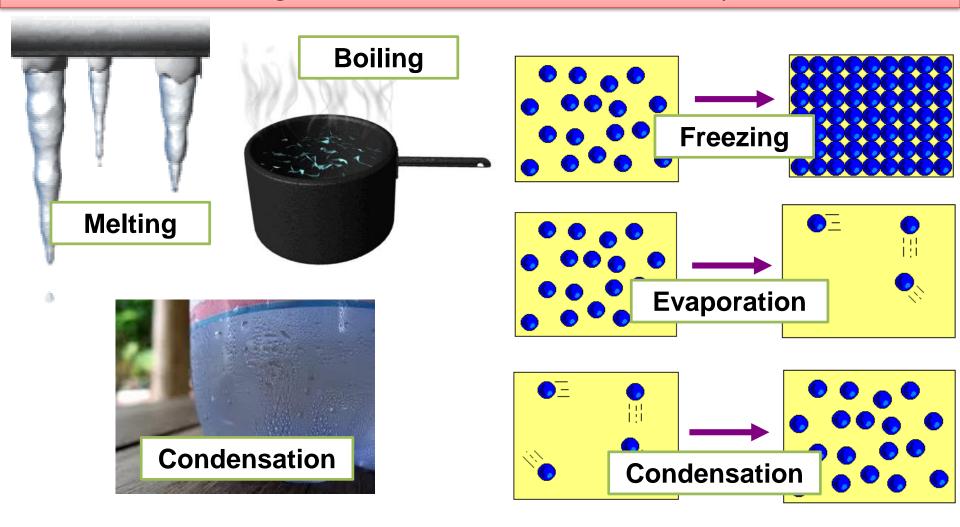
# Main Activity – Modelling



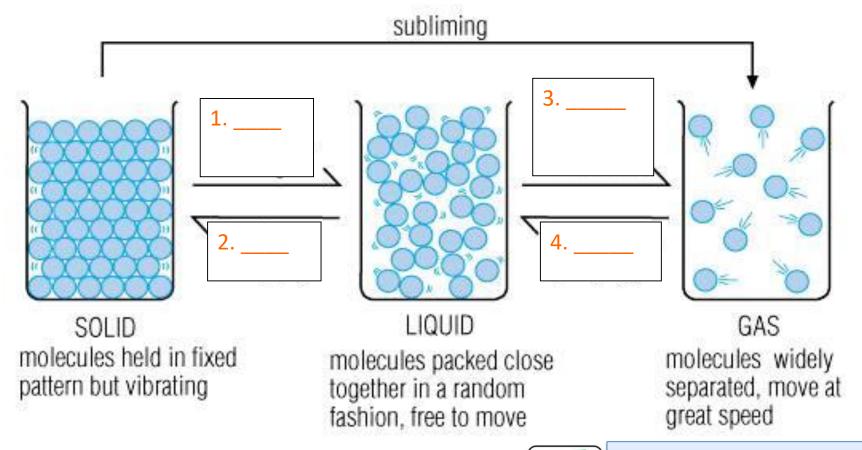


# Main Activity – Modelling

Which change of state is shown in each of the pictures?



# Main Activity – Task



## <u>All</u>

Correctly **identify** the changes of states.

#### Most

Describe what is needed for 1. and 4 to happen.

#### Some

Explain in terms of energy of particles why 1. and 4. happens.

# Main Activity – AfL

# Scales 1-10

Think about what we have discussed so far/the question.

Share

Think

Hold up the number of fingers that relates to how confident you are in your understanding. I being unconfident and 10 being totally confident.

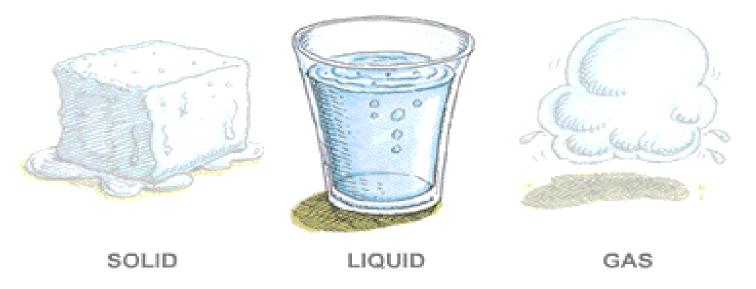






#### **Assessment Phase**

 Create a cartoon that describes the change of state using the particle interactions.



# <u>All</u>

Correctly **identify** the changes of states.

# **Most**

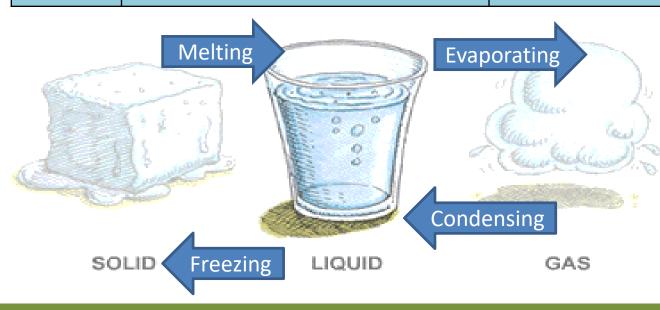
Describe how to change from one state to another.

#### **Some**

Explain how the changes happen in terms of energy.

#### **Peer Assessment**

Level	Assessment Task	Expectations
All	Correctly <b>identify</b> the changes of states.	Correctly <b>identify</b> the changes of states in the cartoon strip.
Most	<b>Describe</b> how to change from one state to another.	For example: When is it hot, solid ice changes to liquid water by melting.
Some	<b>Explain</b> how the changes happen in terms of energy.	For example: The hot surroundings transfer heat energy to the ice causing it to melt to a liquid.





# **Plenary**

#### Match the Words with the Descriptions

