**States of Matter**

**Describing state changes and how they are achieved**



SOLID LIQUID GAS



Particle Diagram



Particle Diagram

Particle Diagram



**Explaining how the arrangement, movement and energy of the particles changes as the state changes.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid | Liquid | Gas |
| Arrangement |  |  |  |
| Movement |  |  |  |
| Energy |  |  |  |

**Adding state symbols to equations**

It is good practice to add state symbols to equations.

(g)



(l)



(s)



(aq)



**Describing what state a substance is at a particular temperature**

1 – Draw a temperature line

2 – Add the melting point and boiling point

3 – Mark where the temperature in the questions sits on the timeline

