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Starters

* Use the particle model to describe solid, liquids and gases and to explain the properties of solids and liquids.

VOLUME

MASS

SHAPE

|  |  |  |  |
| --- | --- | --- | --- |
| SOLD | STRONGLY ATTACHED IN A PATTERN | FIXED | FIXED |
| LIQUID | STRONGLY ATTAHED NOT IN A PATTERN | FIXED | FIXED |
| GAS | THEY ARE FAR APART | FIXED | TAKES THE VOLUME OF CONTAINER |

* Draw particle diagrams of solids and gases to model the arrangement of particles in the different states of matter.

GAS

LIQUID

SOLID

Main course

|  |  |
| --- | --- |
| EVAPORATION | BOILING |
| FROM LIQUID IT EVAPORATES TO GAS | WHEN THE LIQUID IS HEATED UP |
| ON THE SURFACE | ENTIRE |
| NO BUBBLES ARE FORMED | BUBBLES ARE FORMED |
| SLOW PROCCES | FAST PROCCES |
| ANY TEMPERATURE | OCURS ON THE BOILING POINT (100) DEGREASE CELCIES |

Make a table and write the difference between boiling and evaporation

* Draw a diagram that shows the changes in states and write the names of the processes on the arrows. (be creative)

|  |  |
| --- | --- |
| FREZING | **Freezing** is the process in which liquid turn into solid it **freezes** in the freezer, and it turn into solid |
| MELTING | **Melting** is the opposite of freezing melting is from solid to liquid ex when we leave ice outside the freezer it **MELTS** and turn back into liquid |
| BOILING | **Boiling** is turning liquid into gas any liquid can be turned into gas by **boiling** by the boiling point which is 100degresse Celsius and then will form bubbles and vapor that will start to turn into gas |
| EVAPORATION | Evaporation is the change between liquid and gas it form vapor that turn into gas and then evaporate (evaporation is not like boiling evaporation happens on any temperature) |
| CONDENSATION | Condensation is the change between gas to liquid it happens when the water start to evaporate it form water droplets from the evaporated gas those water droplets are liquid this is how gas turn back into liquid |