/ **The National Orthodox School /Shmaisani**

**Subject: Chemistry**

**Name: zaid Topic: States of matter**

**Date: 20/ 9/2022 Grade-Section: 6CS- all sections**



Starters

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

|  |  |  |
| --- | --- | --- |
| Solid | Liquid | gas |
|  Particles are close to each other | Particles are still attached to one another | Particles are not attached |
| Fixed shape | Change shape and takes the shape of the container | Changes shape |
| Low energy | Greater energy | Highest energy  |

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

|  |  |  |
| --- | --- | --- |
| Solid | Liquid | Gas |
|  |      |    |

Main course

**CHOOSE ONE DISH**

* Describe the processes of freezing and melting using the particle model and relate the processes to changes in temperature. (write between 50-70 words)
* Make a table and write the difference between boiling and evaporation.

|  |  |
| --- | --- |
| Boiling | Evaporation |
| Occurs at fix temperature  | Occurs at any temperature |
| Quick process | Slow process |
| Takes place within liquid | Takes place only on surface |
| Bubbles are formed | No bubbles are seen |
| Temperature remains constant | Temperature may change |
| Heat supply by energy source | Heat supplied by surroundings |

**CHOOSE ONE DISH**

* Draw the process of water cycle.

condensation

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

precipitation

evaporation

collection

Dessert