**The National Orthodox School /Shmaisani**

**Subject: Chemistry**

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

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.

Dessert

**CHOOSE ONE DISH**

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

Question 1: particles in the solid state are tightly packed together, while in the liquid state particles are close together and are not in a specific pattern, in the gas state particles are far away from each other

Question 2:

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| --- | --- |
|  Boiling  |  Evaporation  |
| Boiling can only happen at the boiling point  | Evaporation can happen at any temperature  |
| Boiling occurs throughout the whole body of the liquid  | Evaporation happens only at the surface of the liquid  |
| Bubbles are formed  | No bubbles are formed  |
| A process in which the liquid state changes from liquid to gas  | A process in which the liquid state changes from liquid to gas without boiling  |

Question 3: 

Question 4: 