**The National Orthodox School /Shmaisani**

**Subject: Chemistry**

**Name: miral .H Topic: States of matter**

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

Grade 6 c

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)

Miral Haddad grade 6 c

answers

Starters

Solid liquid

1. Particles don’t flow 1- Particles flow
2. It can be squash only a tiny bit 2- It can be squash only a tiny bit
3. Shape stay the same 3- take the shape of the container

9unless applying a force

Gas

|  |  |  |  |
| --- | --- | --- | --- |
| state | How close the particles | How particles move | How strongly the particles hold together |
| Solid | Touching | Vibrate in place | Very strongly |
| gas | far apart | Moving randomly in all directions | weak |

Main course

|  |  |
| --- | --- |
| boiling | Change of state from liquid to gas, it happens at a curtain temperature. |
| evaporating | Change of state from liquid to gas, it can happen at any temperature. |

Dessert

Melts boils/evaporates

Water

(liquid)

Steam

(gas)

Ice

(solid)

Freezes condenses