U. S. OSTWAL INTERNATIONAL SCHOOL

OSTWAL WONDERCITY, BOISAR (E)

TERM – I (2023-24)

Name: _____ **Time : 2hr30min**

Roll no. _____ **Date:_____**

Grade: VI **Max. Marks: 60**

Subject: Chemistry

General Instructions:

- **All Questions are compulsory Do not write the questions**
- **Directly write the answers. Write the paper neatly. Reading time :15 minutes.**

Q.1) Fill in the blanks. **(6 M)**

1) An element is a _____as it has atoms of only one kind.

2) A symbols represents one _____ of an element.

3) A sieve consists of a _____placed over a frame.

4) Mass is the measure of _____ of matter contained in a substance.

5) _____ is the gaseous state of a solid.

6) The space between the molecules of a substanceis called _____.

Q.2) Choose the correct option from the following. **(6 M)**

1) Silicon and arsenic are _____.

a) metals **b) non-metals** **c)metalloids** **d) noble gases**

2) The symbol of lead is _____.

a) Pb **b) L** **c) Le** **d) Pl**

3) The insoluble solid left behind on the filter paper during filtration is called _____.

a) filtrate **b) particle** **c) residue** **d) sediment**

4) _____ refers to the intermingling of particles of different substances on their own.

a) Combining **b) Mixing** **c) Refining** **d) Diffusion**

5) Which of the following have closely packed particles?

a) Solids **b) liquids** **c) gases** **d) all of these**

6) What is the process of conversion of a liquid into a solid called?

a) Freezing **b) Condensation** **c) Sublimation** **d) Evaporation**

Q.3) Write (T) for true and (F) for false. **(6 M)**

1) An element consists of atoms of different kinds.
2) A symbol represents one atom of an element.
3) The smallest pa rticle of a compound is a molecule
4) Matter is composed of extremely small particles.
5) Liquids have strong forces of attraction.
6) The particles in gases move rapidly in all directions.

Q. 4 Match the following. **(6M)**

Column A	Column B
1. Gold and silver	a) Non-metals
2. Phosphourus	b) Smallest unit of an element
3. Boron and antimony	c) Mixture
4. Milk	d) Metals
5. Atom	e) Remove pulp from fresh juice
6 .Filtration	f) Metalloid

Q. 5 Show the following process in the form of the flow-charts. ***(Any 2)*** **(5 M)**

1) Elements classified as metals, non metals, and metalloid
2) Change in states of matter
3) States of matter, their properties and examples

Q. 6 Differentiate between the following. ***(Any 2)*** **(5 M)**

1) Compound and mixture
2) Atoms and molecules
3) Mass and weight

Q. 7 Answer in shorts. (Any 6) **(12 M)**

1) What are solids? How are molecules arrange d in solids?
2) Why are noble (inert) gases named so?
3) What is molecule? Give examples.
4) Define matter. Give examples.
5)What is vaporization ?Name its two types.
6) Explain why solids are hard and difficult to compress.
7) Can deforestation be considered as a reversible change?

Q. 8 Give reasons for the following statements. (Any 4) **(8M)**

1. Gas changes into liquid state on cooling.
2. Naphthalene balls disappear with time without leaving any solid.
3. Mixtures are impure substances.
4. Copper is used to make electrical wires.
5. Water changes into water vapour on heating.

Q. 9 Write the molecular formulae of the following compounds. **(6 M)**

1. Carbon dioxide
2. Magnesium oxide
3. Zinc chloride
4. Calcium oxide
5 .Water
6. Copper oxide

****ALL THE BEST****