

TD VI

I. Fill in the blanks

1. _____ is a liquid nonmetal.
2. The steps involved in the process of acquiring knowledge are called _____.
3. A _____ is a logical guess based on known facts.
4. _____ is a liquid metal.
5. _____ is a triatomic molecule.
6. Metallic oxides are compounds formed by _____ and _____.
7. Molecules which contain only one atom are called _____.
8. In solids the position of molecules are _____.
9. _____ helps in purifying drinking water.
10. Water is a compound which contains two atoms of _____ and one atom of _____.

I. Name the following

1. Two noble gases.
2. Two chemical fertilizers.
3. The space occupied by matter.
4. The process in which solid directly changes to gas.
5. Two metallic sulphides.
6. A diatomic molecule.
7. A compound containing one atom of carbon and two atoms of oxygen.

III. Write true or false

1. Compounds and elements are pure substances.
2. Argon is a monoatomic gas
3. Liquids have less intermolecular space than that in solids.
4. ~~Zinc~~ is an element.
5. The symbol of magnesium is Mg.
6. The atomicity of chlorine is 1
7. Methane is a gaseous compound.
8. Metals are bad conductors of heat and electricity.
9. Scientists who study about chemistry are called chemists.
10. Solids can be compressed easily.

IV. Classify the following as

1. Metals, nonmetals and metalloids

1. Bromine 2. Oxygen 3. Silicon 4. Silver 5. Aluminium 6. Boron.

2. Elements and compounds

1. Water 2. Common salt 3. Sugar 4. Iodine 5. Lithium 6. Hydrogen

3. Solids, liquids and gases

1. Carbon 2. Chlorine 3. Mercury 4. Bromine 5. Helium 6. Iron

V. Write the Latin names and symbols of the following elements.
1. Sodium 2. Mercury 3. Tin 4. Copper 5. Gold

VI. Write the chemical formula of the following
1. Hydrogen 2. Nitrogen 3. Phosphorus 4. Sulphur

VII. Answer the following

1. What is a chemical laboratory? Write two safety tips to be taken in a chemical laboratory

2. What is a compound?

3. Write two properties of *matter*.

4. What is a pure substance?

5. What are metalloids?

6. Write the importance of chemistry in the following fields.

1. Construction industry. 2. National defence.

7. What are the three branches of chemistry?

8. How will you show that molecules of gas move freely?

9. What are noble gases?

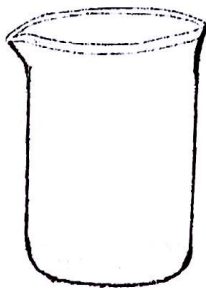
10. Write two properties of liquids.

11. Write the differences between an atom and a molecule.

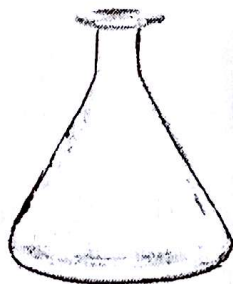
12. Draw diagrams to show the arrangements of molecules in the three states of matter.

13. Write the names and uses of the following apparatus.

1.



2.



3.



4.



5.

