

**Do the following work in Science notebook in neat handwriting.**

**Doon Public School Bhuj**

**ClassV**

**Sub-science**

**Ch-3**

**Homework**

**Date-07/07/2020**

**Answer the following questions in one sentence-**

**Q1. Describe the molecule of an element.**

Ans1. The molecule of an atom is made up of only one type of atoms.

**Q2. Describe the molecule of a compound.**

Ans2. The molecule of a compound is made up of more than one kind of atom.

**Q3. Name any one physical change.**

Ans3. The formation of salt solution is a physical change.

**Q4. Burning of paper is a chemical change. Give reason.**

Ans4. Burning of paper reduces paper into ash which cannot be changed back to paper. So it is a chemical change.

**Answer the following question in two or three sentences-**

**Q1. Describe the arrangement of molecules in the liquid and solid states of matter.**

Ans1. The force of attraction between molecules of a liquid is weak, but it is sufficient not to allow the molecules to move far apart from each other. So they are arranged slightly away from each other.

In solid, the force of attraction between the molecules is very strong. So the molecules are tightly packed. They are arranged so close to each other that they are not able to move away.

**Q2. Explain why gas does not have a definite volume and spread in entire given space.**

Ans2. There is hardly any force of attraction between the molecules of gas. Lack of force attraction between the molecules allows the molecules to move freely and spread in the entire available space. This is why a gas does not have any shape or volume.

**Q3. Distinguish between physical and chemical changes.**

Ans3.

Physical change	Chemical change
1. It is a temporary change.	1. It is a permanent change.
2. It does not result in formation	2. It forms one or more new

of new substance.	substances.
3. It is mostly reversible.	3. It is mostly irreversible.
4. For example-gentle heating of wax	4. For example-burning of paper

**Value based question**

Q1. Why do you think John's father stopped him from burning newspaper?

Ans1. It forms smoke and pollutes the air.

Q2. Is burning a physical or chemical change?

Ans2. It is a chemical change.