

TENDER HEART HIGH SCHOOL, SEC-33B, Chd.

Class: IV

Topic: Materials & Solutions

Subject: Science

Date: 21.10.2024

Good Morning students

This is the notebook work of ch-8. Materials and solutions from your book, Srija ICSE Science and is being submitted to you on 21.10.2024

Define the following

1. Freezing - the process in which a liquid changes into a solid.
2. Evaporation - the process in which a liquid changes to gas.
3. Condensation - the process in which a gas changes to liquid.
4. Solution - It is a mixture of solute and solvent.
5. solute - It is smaller in amount and dissolves in solvent.
6. Solvent - It is large in amount and solute dissolves in it.

Q/Ans

Q1. Write two properties of water.

Ans The two properties of water are :-

- i) water occupies space and takes the shape of the container in which it is kept.
- ii) Water is found in solid, liquid and gaseous form.

Q2. Which types of substances sink in water? Name them.

Ans The substances which are heavier than water, sink in water. e.g. stone, nail etc.

Q3. Name some substances which are insoluble in water.

Ans Oil, chalk, sand and mud are insoluble in water.

Q4. What is evaporation? What is its use?

Ans The process of changing water into water vapour is called evaporation. The common salt from sea water is obtained by this process.

Q5. What is filtration? Where is it used?

Ans. The process of separating out insoluble impurities from a liquid by a filter is called filtration. It is used to filter water in water purifiers and RO type water filter.

Q6. What is an aqueous solution? Give examples.

Ans. A solution made in water is called as an aqueous solution. e.g. lemon water, salt in water.

Home assignment: Complete the above sent work in your notebook.