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(Proposed ICSE Board )

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**Chapter-9**

**Topic: Some properties of water.**

**GRADE:3**

**Subject: Science**

**1. New words:**

1. Water
2. Properties
3. Solute
4. Solvent
5. Tasteless
6. Colourless
7. Heating
8. Cooling
9. Solution
10. Mixture
11. Transparent

**2. Short answer questions.**

**Q1. Name the three states in which water exist.**

**Ans :** The three states in which water exists are:

1. Solid (Ice).
2. Liquid (Water).
3. Gases (Water Vapour)

**Q2. What happens when we cool water?**

**Ans:** When water cools down it changes into ice.

**Q3. Give two examples each of solute and solvent.**

**Ans: Solute:** Sugar, Salt

**Solvent:** Water, Oil

**Q4. State two conditions that affect the making of a solution?**

**Ans:** The two conditions that affect the making of a solution are:

1. Stirring
2. Heating

**Q5. Why does the ice cube float on the surface of water?**

**Ans:** An ice cube float on the surface of water because objects ( ice cube) that is lighter than water so it floats in water.

**3. Long answer questions:**

**Q1. List the properties of water.**

**Ans.** The properties of water are as follow:-

- 1) Water is transparent, colourless and tasteless liquid.
- 2) Clean and pure water has no smell.
- 3) Water occupies space.
- 4) Water takes the shape of the container.

**Q2 How does water change it's state?**

**Ans:**



**Q3. Why is water called a Universal solvent? Give two examples of solutes and their solutions with water.**

**Ans:** Water dissolves so many substances in it. Thus, it is called a universal solvent .

**Example 1:** Sugar (Solute) + Water (solvent) -----Sugar solution

**Example 2:** Salt (solute) + Water (solvent) ----- Salt solution

**Teacher Signature**

**Principal Signature**

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