

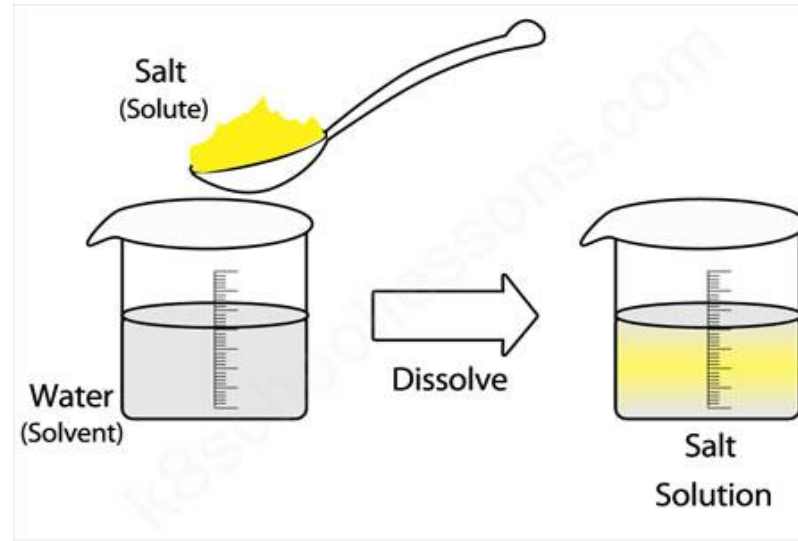
PROPERTIES OF WATER



UNIVERSAL SOLVENT

- ▶ Water is considered as the UNIVERSAL SOLVENT because it can dissolve almost anything.
- ▶ Solute: substance that is dissolved.
- ▶ Solvent: substance that does the dissolving.
- ▶ Solution: solute dissolved in solvent.

- ▶ **EXAMPLE:**
- ▶ Water dissolving salt.



COLOURLESS, ODOURLESS AND TASTELESS LIQUID

- ▶ Pure water has no colour.
- ▶ Example: Water after adding food colouring.
- ▶ Pure water has no smell and no taste.

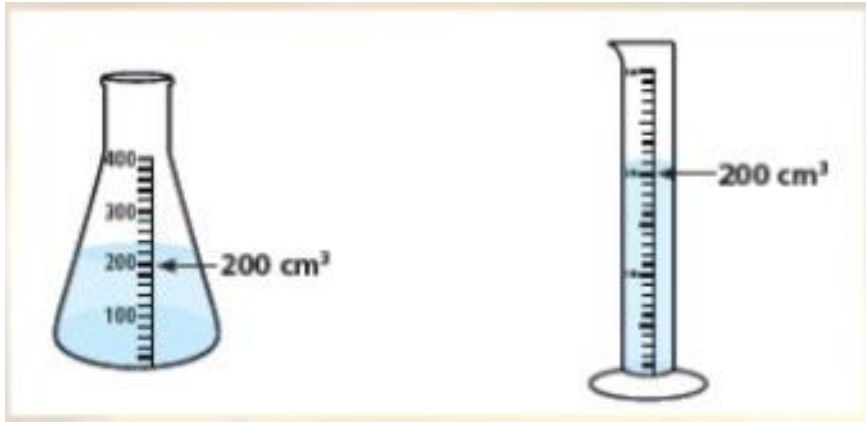


SHAPELESS

- ▶ Water has no shape of its own.
- ▶ It takes the shape of the container it is poured into.



FIXED VOLUME



- ▶ Although the volume of water in each container is same, water takes on the different shapes of the containers.
- ▶ This shows that water or any liquid has fixed volume but not fixed shape.

THREE STATES OF WATER



Solid (Ice)



Liquid (Water)



Gas (Steam)

Only Water exists in three states naturally