

Cornell Notes	Topic/Objective:	Name:
	Properties of Water	Class/Period:
		Date: 1/12/18

Essential Question: I can describe how water interacts and behaves with itself and other substances

Questions:	Notes:
	<p>I. Solubility - Water ; Salt</p> <p>a. Water "Cohesive" → sticky ; Elastic</p> <p>b. Universal Solvent → dissolves more substances (stuff) than other liquids</p> <p>c. Solvent = liquid that dissolves other substances</p> <p>d. Water → has Positive (+) and Negative (-) Charges</p> <p>e. When Water's (+) and (-) Charges attract to other substances (+) and (-) charges ⇒ Water can break apart substances → Dissolving Happens</p> <p>f. Substances dissolve in water due to breaking electrically charged molecules apart</p> <p>II Solubility - Oil ; Salt</p> <p>a. oil → Not Cohesive or Sticky</p> <p>b. Oil → No (+) or (-) Charges to attract other substances</p> <p>c. Fats ; Oil remain separate from other substances</p>

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III. Surface Tension of Water

a. Cohesive Forces between Water Molecules

b. Cohesion = Water attracted to water
"Sticky-ness" of water

c. Water clumps together w/ other water molecules → due to Cohesion

d. Surface of liquids → held together strong

e. Surface tension held strong
⇒ Water does not move, stays in place.

IV. Adhesion

a. Water is attracted to other substances. Like salt

b. Adhesion & Water

Ex. Drop of water on glass → Only occurs between water sticks to other substances.

{ Cohesion → water sticks to water molecules }
{ Ex. drop of water }

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V Capillary Action

a. Moves water & everything in water
(substances dissolved)
(in water)

b. When water moves in the spaces
of "porous" materials

⇒ due to adhesion,
cohesion, ∴ Surface
Tension