

Big Ideas- CSI (Science)

Key Vocabulary	
Concentration	How much of a substance is dissolved in water. If a solution is concentrated, more particles of the substance are present
Dilute	A solution can be made more dilute by adding more solvent
Dissolve	Some substances dissolve when you mix them with water. When a substance dissolves, it looks like it disappears
Evaporate	When a liquid changes state and turns into a gas
Insoluble	When a substance cannot dissolve in a particular solvent. For example, sand is insoluble in water
Irreversible	A change which cannot be undone
Residue	The material that is left when a mixture is filtered
Reversible	A change which can be undone
Saturated	A saturated solution is a solution in which there is so much solute that if there was any more, it would not dissolve
Solubility	the ability of a substance to dissolve
Soluble	Substances that dissolve in water are called soluble substances
Solute	The dissolved substance in a solution
Solution	Mixture formed by a solute and a solvent
Solvent	The liquid in which the solute dissolves to form a solution

Solutions

Solute **Solvent** **Solution**

Separating Mixtures

Filtration

Evaporation

Chemical and Physical Changes			
Physical Changes Easy to reverse No new substances formed			Chemical Changes Difficult to reverse New substances formed