

Name: _____

Date: _____ Core: _____

Mixtures, Compounds and Elements

Elements

- Cannot be broken down further
 -
 -
 -

Compounds

- Combinations of two or more elements
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 -
 -
 -

Mixtures

- When two or more materials or substances are mixed together but _____ chemically combine
- This means that the elements or compounds in the mixture still have their _____
- Mixtures are combined or separated by a _____

Solutions

- Mixtures where one component gets dissolved in another
- The **solute** _____
- The **solvent** _____
 - Ex. Lemonade mix-
 - The mix is the _____
 - The water is the _____

Ways of separating mixtures

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- - Use a magnet to separate out magnetic substance (iron, nickel, cobalt)
- - Separating parts by hand like recycling
- - Separating a solid from a liquid- coffee filter or brita pitcher
- - Separates a dry mixture that has substances of different sizes, sand from pebbles
- - Used to separate a **solution**
- - Used to separate dissolved substances in a solution from each other (used at crime scenes)

Classify Matter: Element, Mixture or Compound?

Substance	Element, Mixture, or Compound?
Rocks	
Copper	
Jellybeans	
Table Sugar	
Tea	