

# ALL MIXED UP



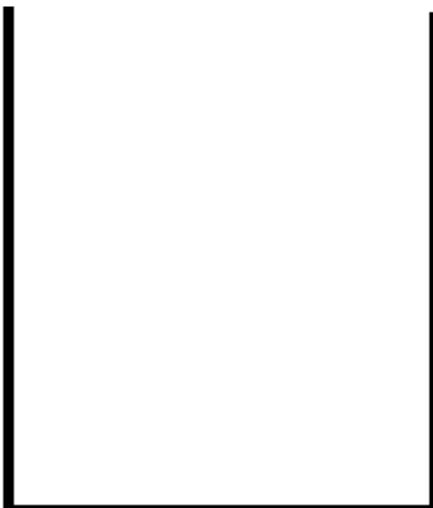
1. Looking at the substances on the table, determine if it is a pure substance or a mixture.
  - a. If it a pure substance, go to column B.
    - i. Please determine if the pure substance is an element or a compound.
  - b. If it is a mixture, go to column C
    - i. Please determine if the mixture is homogeneous or heterogeneous.



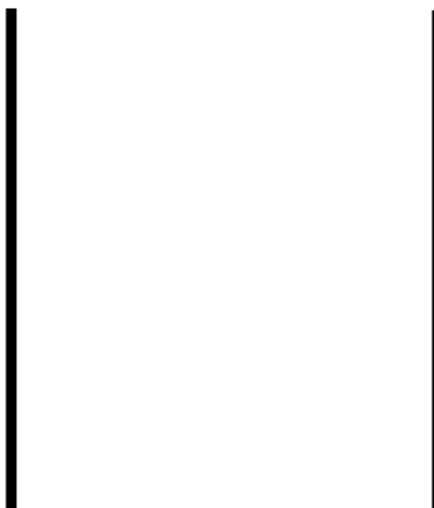
	<b>A</b>	<b>B</b>	<b>C</b>
Substance	Pure Substance or Mixture?	Element or Compound?	Homogenous or Heterogeneous?
Iron Filings			
Aluminum Foil			
Brass mass			
Copper Fitting			
Coca-Cola			
Isopropyl Alcohol C <sub>3</sub> H <sub>8</sub> O			
Granite Rock			
V8 Juice			
Italian Dressing			
Granola			
Iodized Salt			
Borax Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> •H <sub>2</sub> O			
Soil			
Stainless Steel Spoon			
Baking Soda NaHCO <sub>3</sub>			
Muddy Water			
Baby Powder MgSi <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub>			
Sucrose C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>			
Sand			
Water H <sub>2</sub> O			
Kool-aid			
Lead Sinker			

NAME \_\_\_\_\_ #2 \_\_\_\_\_ PER \_\_\_\_\_

**ANSWER THESE QUESTIONS WITH YOUR PARTNER BASED ON TODAY'S LAB.**

1. What is a mixture? \_\_\_\_\_
2. What are the two main types of mixtures? Give at least two examples of each from today's activity.  
A. \_\_\_\_\_ EX: 1) \_\_\_\_\_ 2) \_\_\_\_\_  
B. \_\_\_\_\_ EX: 1) \_\_\_\_\_ 2) \_\_\_\_\_
3. What type of mixture has two substances not mixed very well?  
\_\_\_\_\_
4. What type of mixture appears evenly mixed throughout the mixture?  
\_\_\_\_\_
5. The simplest form of matter is?  
\_\_\_\_\_
6. A substance that is pure, but has more than one element?  
\_\_\_\_\_
7. A) An alloy is? B) Give two other examples NOT seen in today's lab.  
A) \_\_\_\_\_  
B) 1. \_\_\_\_\_ 2. \_\_\_\_\_
8. In the containers below draw pictures of molecules 1 and 2 in a homogeneous and then a heterogeneous mixture. Draw at least 12 of each molecule so you fill each container with your mixtures.

  
  
\_\_\_\_\_ MIXTURE

  
  
\_\_\_\_\_ MIXTURE