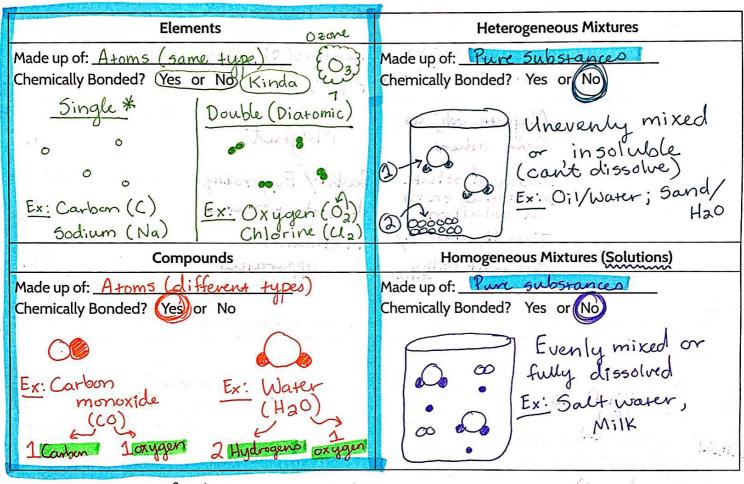
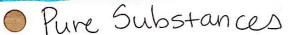
Basic Classification of Matter in Chemistry - Honors







Techniques for Separating Mixtures:

Technique:	Used to Separate	Equipment Needed:	Example: Mixture of Sand and Water	
Filtration	Insoluble solids from liquid/solution	Beakers (2), filter paper, funnel		
Magnetism	Magnetic objects from others	Magnet	Mixture of Iron and Sand	
Evaporation	Dissolved solute (substance) from a solution	Beaker/ Evaporating dish, Heat Source	Solution of Salt and Water	
Distillation	Two liquids w/ different boiling	Distillation apparatus	Mixture of two liquids with different boiling points	

Practice:

1. Classify each material below as a pure substance or a mixture. If it is a pure substance, classify it as either an element or a compound. If it is a mixture, classify it as either a homogeneous mixture (solution) or a heterogeneous mixture and identify how you could separate the pure substances!

Material	Pure Substance or Mixture?			Additional Classification / Separation Techniques				
Table salt (NaCI)	P5 -		1	3		C	X	The second second
Block of Iron (Fe)		1	V3		· · · · · ·	to the state of the	55.01	
Water and Copper cubes (Cu)	1	\$-0	:00		1	i la	1	- 1-1-19
(CoH206) Sugar water	1	Ú	1		The A Territor	Service Gull	1 1000 10 10 11	S. S. L. () . 1
Water and Rubbing Alcohol			and the same of th					

