Name:	Date:
Notes: Substances and Mixtures	
What are the two types of pure subs	tances?
What are the simplest substances? _	
Describe <i>elements</i>	
Elements are made of what type of p	particles?
Name the elements with the followi	
12 protons	32 protons
18 protons	24 protons
65 protons	82 protons
90 protons	
How are compounds formed?	
How are compounds separated?	
What do covalent compounds consis	t of?
What do ionic compounds consist of	?
How can you tell the difference betw	veen elements and compounds if you are told their names?
Decide if the following substances a	re elements or compounds:
carbon dioxide	oxygen
water	ammonia
cyanide	arsenic
How are mixtures formed?	
How are mixtures separated?	

/hat do mixtures NOT have?
oes changing the ratio of substances change the identity of the mixture?
/hat is true of substances that are inside of mixtures?
ypes of Physical Properties:
. Intensive Properties
. Extensive Properties
/hat are the six extensive properties that you need to remember?
/hat processes can separate mixtures based on the size and shape of one of the components?
/hich elements can be made into magnets?
/hat is the name of this set of elements?
escribe <i>distillation</i>
/hat word describes liquids that can be mixed together?
order to be miscible, what must be true of both of the liquids?
/hat can we use to separate immiscible liquids?
/hat is another term for homogeneous mixtures?
escribe aqueous solutions
escribe <i>alloys</i>
escribe <i>gaseous solutions</i>
/hat happens to metals before they are mixed?
/hat word describes a melted substance?
melting a physical or a chemical change?
/hat are some common alloys?