Elements, Compounds & Mixtures Worksheet				
Part 1: Read the following information on elements, compounds and mixtures. Fil in the blanks where necessary.				
Elements (pure substances):				
<ol> <li>A pure substance containing only one kind of</li> </ol>				
2. An element is always uniform all the way through (homogeneous).				
An element be separated into simpler materials (except during				
nuclear reactions).				
4. Over 118 existing elements are listed and classified on the				
Compounds (pure substances):				
A pure substance containing two or more kinds of				
The atoms are combined in some way. Often times (but				
not always) they come together to form groups of atoms called molecules.				
A compound is always homogeneous (uniform).				
8. Compounds be separated by physical means.				
Separating a compound requires a chemical reaction.				
9. The properties of a compound are usually different than the properties of the				
elements it contains.				
Mixtures:  10. Two or more or NOT chemically				
combined.				
11. No reaction between substances.				
12. Mixtures can be uniform (called) and are known				
as solutions.				
. Mixtures can also be non-uniform (called).				
14. Mixtures can be separated into their components by chemical or physical				
means.				
15. The properties of a mixture are similar to the properties of its components				



\_Date\_\_

(M). Write the lett			nts (E), compounds (	(C) or Mixtures	
Diamond (C)	Sugar (C6	H <sub>12</sub> O <sub>6</sub> )	Milk	Iron (Fe)	
Air	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )		Gasoline	Electricity	
Krypton (K)	Bismuth (Bi)		Uranium (U)	Popcorn	
Water (H <sub>2</sub> O)	Alcohol (CH3OH)		Pail of Garbage	A dog	
Ammonia (NH	3)Salt (NaC	1)	Energy	Gold (Au)	
Wood	Bronze		Ink	Pizza	
Dry Ice (CO <sub>2</sub> )	Baking Soda (NaHCO <sub>3</sub> )Titanium (Ti)Concrete				
Part 3: Match each	diagram with	O O	o B	will be used once.	
A	В	C	D	E	
1. Pure Element – only one type of atom present.					
2. Mixture of tv	vo elements – t	wo types of u	ncombined atoms p	present.	
3. Pure compou	ınd - only one	type of comp	ound present.		
4. Mixture of tv	vo compounds	- two types o	of compounds prese	nt.	
5. Mixture of a	compound and	an element.			

