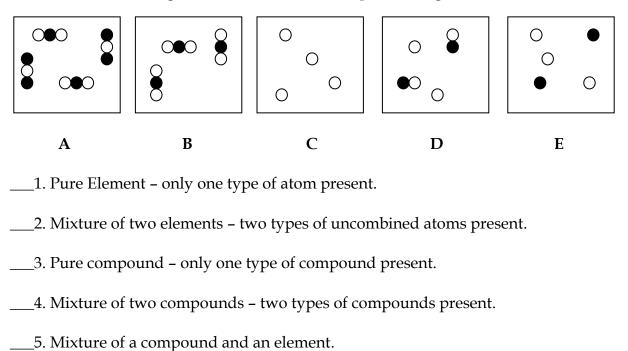
Name			

Elements, Compounds & Mixtures Worksheet

Part 1: Read the following information on elements, compounds and mixtures. Fill in

the blanks where nec	essary.	•	
An element is aAn elementnuclear reaction	nce containing only one kind ways uniform all the ware wated ms). ns). ng elements are listed and	y through (homoge into simpler mater	eneous). ials (except during
 The atoms are always) they compound is Compoundscompound req 	nce containing two or more combonies always homogeneous (under the security as a chemical reaction). of a compound are usual stains.	ined in some way.	Often times (but not molecules. I means. Separating a
 combined. No reaction be Mixtures can be solutions. Mixtures can ae Mixtures can be The properties 	or or or or or tween substances. The uniform (called lso be non-uniform (called e separated into their control of a mixture are similar to the following as elements; none of these	d nponents by chemic o the properties of i	and are known as). cal or physical means. ts components.
Write the letter X if it Diamond (C)AirKrypton (K)Water (H ₂ O)Ammonia (NH ₃)WoodDry Ice (CO ₂)	_Sugar (C ₆ H ₁₂ O ₆) _Sulfuric Acid (H ₂ SO ₄) _Bismuth (Bi) _Alcohol (CH ₃ OH) _Salt (NaCl) _Bronze _Baking Soda (NaHCO ₃)	Milk Gasoline Uranium (U) Pail of Garbage Energy Ink Titanium (Ti)	Iron (Fe)ElectricityPopcorn eA dogGold (Au)PizzaConcrete

Part 3: Match each diagram with its correct description. Diagrams will be used once.



Part 4: Column A lists a substance. In Column B, list whether the substance is an element (E), a compound (C), a Heterogeneous Mixture (HM), or a Solution (S). (Remember a solution is a homogeneous mixture.) In Column C, list TWO physical properties of the substance.

Column A	Column B	Column C
1. Summer Sausage		
2. Steam		
3. Salt Water		
4. Pencil lead (Pb)		
5. Dirt		
6. Pepsi		
7. Silver (Ag)		
8. Toothpaste (Na ₂ HPO ₄)		
9. A burrito		
10. Italian Dressing		
11. Chicken Soup		
12. Lemonade		