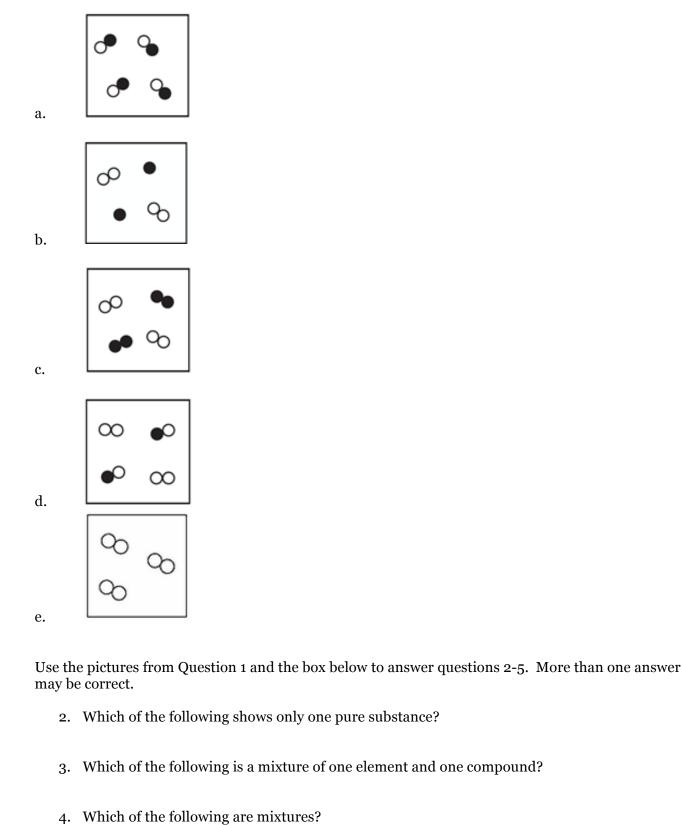
Name:		Date:	HURBAN HASSEMBLY
<b>Chemistry</b> ~ Ms. Hart	Class:	Anions or Cations	SCHOOL FOR CRIMINAL IUSTICE

## 3.1 Elements and Compounds

Directions: Use the periodic table to help you determine whether the following pure substances are elements or compounds. Remember elements are made up of only 1 type of atom while compounds are made up of more than 1 type of atom.

Substance	Element or Compound	Number and type of atoms present	
Iron (Fe)	Element	1 Fe atom	
Oxygen (O <sub>2</sub> )	Element (diatomic)	2 O atoms	
Carbon dioxide (CO <sub>2</sub> )	Compound	1 C atom, 2 O atoms	
Water (H <sub>2</sub> O)			
Glucose (sugar) (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> )			
Aluminum (Al)			
Sodium (Na)			
Nitrogen (N₂)			
Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )			
Ammonium Nitrate (NH <sub>4</sub> NO <sub>3</sub> )			
Ammonium Phosphate [(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub> ]			

Question 1: Which particle diagram represents a mixture of an element and a compound?



5. Which of the following is a mixture of two elements?