

Name _____ Date _____ Per _____

Elements, Compounds, Mixtures Modeling

“Spice Drops” Color Coded Key:

Sodium (Na) - PURPLE Chlorine (Cl) - WHITE Nitrogen (N) - Orange “DOTS”
Iron (Fe) - RED Sulfur - GREEN
Oxygen (O) - YELLOW Hydrogen (H) - SUGAR RED

E = Element C= Compound M=Mixture

Substance	Chemical Symbol or Formula	E/C/M?	Colored Drawing
Iron			
Sulfur			
Iron Sulfide			
Sodium			
Chlorine			
Sodium Chloride			
Hydrogen Gas			
Oxygen Gas			
Water			
Water and Salt			
Ammonia			
Nitrogen gas			
Ozone			

Answer the following Questions on a separate piece of paper:

1. Are all of the substances in the table pure substances? Tell why or why not.
2. Using the substances listed, come up with a combination that would be a mixture.
3. If atoms combine to form a compound, explain what happens to the properties of the elements alone compared to the properties of a compound once the atoms bond.