**Answers to PURE SUBSTANCES WORKSHEET**

**Sodium Chloride (NaCl) Characteristics:**

1. Edible
2. Cubed shape
3. Various colors (pink Himalayan sea salt)
4. Has a specific “salty” taste
5. Not poisonous
6. Not explosive

2. Sodium (Na) is explosive in water and is a silvery metal. Chlorine (Cl) is a green, toxic gas. But when one atom of Sodim (Na) and one atom of Chlorine (Cl) chemically bond, they form salt (NaCl) which is neither toxic or explosive. ***This is because when atoms chemically combine, they do not retain the properties of the original elements. Compounds have completely new chemical and physical properties.***

3. Hydrogen Peroxide (H2O2) ---Hydrogen Peroxide has one more atom of Oxygen than water.

 Water (H20)