

**MATERIALS AND PROCEDURE: 10 SIMPLE CHEMICAL REACTIONS.****ANALYSIS****1. WRITE BALANCED CHEMICAL EQUATIONS TO DESCRIBE TEN CHEMICAL REACTIONS.**

- Use your squirkles and the example shown in the procedure for lab 7.2 to write complete, balanced chemical equations for the ten chemical reactions listed below. Notice that the first one was done as the example. (in our pre-lab notes)

Sodium with Chlorine

Calcium with Chlorine

Potassium with Oxygen

Hydrogen with Oxygen

Hydrogen with Nitrogen

Sodium with Phosphorus

Hydrogen with Carbon

Chlorine with Carbon

Aluminum with Chlorine

Aluminum with Fluorine

**SYNTHESIS QUESTIONS**

1. Explain when and why you use subscripts and coefficients in writing chemical equations.
2. Completely outline the process of writing the complete, balanced equation to describe a chemical reaction.