

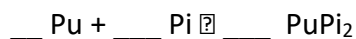
Name: \_\_\_\_\_

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### An introduction to STOICHIOMETRY

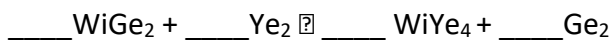
Together with a partner, complete the following activities using the packages of Rockets<sup>®</sup> provided:

1. One purple Rocket<sup>®</sup> (Pu) reacts with one pink Rocket<sup>®</sup> (Pi) to form a PuPi<sub>2</sub> compound, according to the following UNBALANCED equation:



- How many PuPi<sub>2</sub> molecules can you form?
- What type of a reaction does this represent?
- Did you use all the Purple and Pink's in your packages?  
If no, which ones are left over?

2. A compound composed of 1 White Rocket and 2 Green Rockets (WiGe<sub>2</sub>) reacts with a compound composed of 2 Yellow Rockets (Ye<sub>2</sub>) to form two different compounds as seen in this UNBALANCED equation:



- How many WiYe<sub>4</sub> compounds can you form? How many Ge compounds?
- What type of a reaction does this represent?
- Did you use all the Rocket's in your package? If no, which ones are left over?

