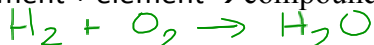




Lesson 11: Formation/Synthesis/Composition Reactions

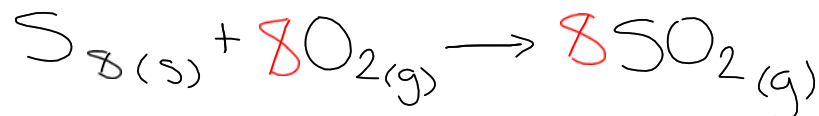
- 2 or more elements combine to make a new substance
- Element + element \rightarrow compound



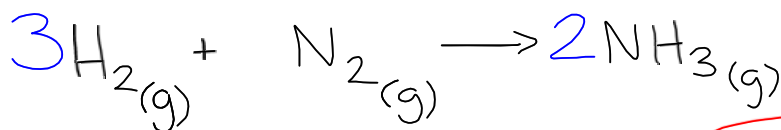
*really hard to create in the lab

Ex.) Write and balance the following formation/synthesis reactions:

1. Sulfur burns in air and makes sulfur dioxide

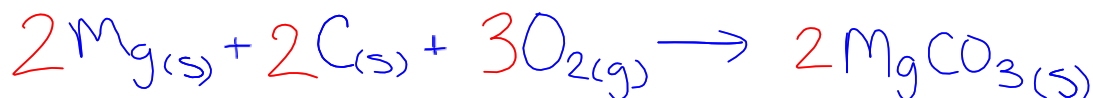


2. Hydrogen and nitrogen form to make ammonia (NH_3)



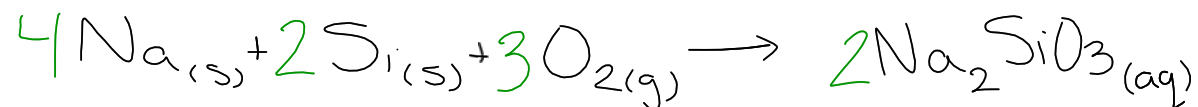
$$LCM(2,3) = 6$$

3. Magnesium and carbon and oxygen form to make magnesium carbonate





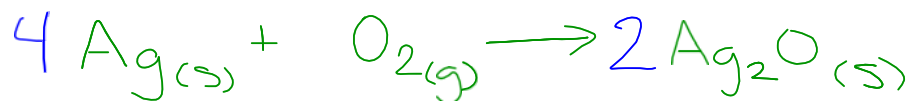
4. Sodium plus silicon plus oxygen to make sodium ⁺² silicate



5. Magnesium plus fluorine to make ²⁺ magnesium ⁻¹ fluoride



6. Silver plus oxygen to make ¹⁺ silver ²⁻ oxide



Worksheet