

Monday


Representing Chemical Reactions_K & L

Name: Key
Period: _____ Date: _____

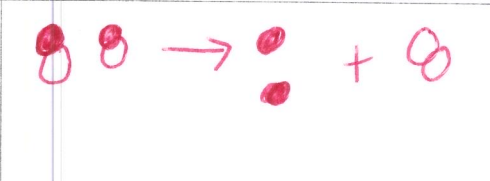
graded

For each of the following chemical reactions:

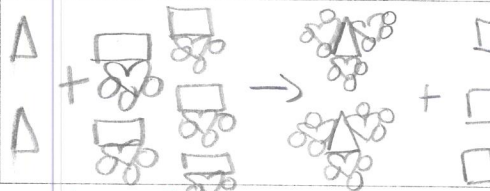
- a. Balance the equation.
- b. Draw pictures of the reactants and products. Include the correct number of each.
- c. Write the names of the reactants and products.

1. a. $2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$ b. 

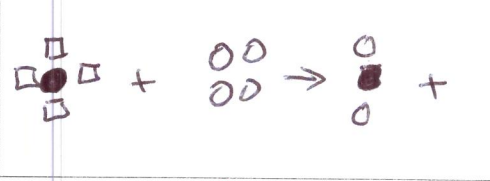
c. Hydrogen + ~~water~~ oxygen → water

2. a. $2 \text{MgO} \rightarrow 2 \text{Mg} + \text{O}_2$ b. 

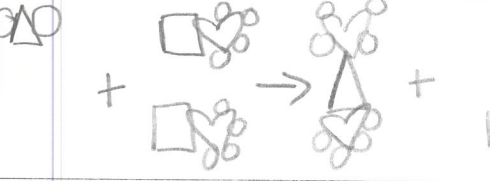
c. Magnesium oxide → ~~o~~ magnesium + oxygen

3. a. $2 \text{Al} + 6 \text{HNO}_3 \rightarrow 2 \text{Al}(\text{NO}_3)_3 + 3 \text{H}_2$ b. 

c. Aluminum + Nitric Acid → Aluminum Nitrate + Hydrogen

4. a. $\text{CH}_4 + 2 \text{O}_2 \rightarrow \text{CO}_2 + 2 \text{H}_2\text{O}$ b. 

c. methane + oxygen → Carbon dioxide + water

5. a. $\text{PbO}_2 + 2 \text{ZnSO}_4 \rightarrow \text{Pb}(\text{SO}_4)_2 + 2 \text{ZnO}$ b. 

c. lead(II) oxide + zinc sulfate → lead(II) sulfate + Zinc oxide

Using the following diagrams:

- Write a balanced chemical equation.
- Write the names of the reactants and products.

