## Reaction Basics & Balancing Quiz

Write the following word equation as a formula equation with the appropriate state symbols. Do not balance the formula equation.

1. A pool of benzene burns in air (O2) to produce carbon dioxide gas and water vapor.

Balance the following equations and write the coefficients on the dashes.

2. 
$$\underline{\hspace{1cm}}$$
 Li +  $\underline{\hspace{1cm}}$  O<sub>2</sub>  $\rightarrow$   $\underline{\hspace{1cm}}$  Li<sub>2</sub>O

3. 
$$Mg + MgSO_4 + MgSO_5 + Mg$$

4. 
$$\underline{K_2O} + \underline{BaBr_2} \rightarrow \underline{BaO} + \underline{KBr}$$

5. 
$$C_2H_4 + O_2 \rightarrow CO_2 + H_2O$$