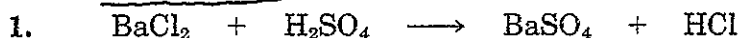


A Balancing Act

Are the following equations balanced? Prove each one.

Balance each of the following equations. You may wish to refer to the rules of balancing in Figure 8-7 on page 187 of your textbook.

Example



$$\text{Ba} = 1 \quad \text{S} = 1$$

$$\text{Cl} = 2 \quad \text{O} = 4$$

$$\text{H} = 2$$

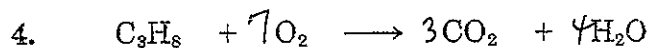
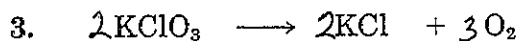
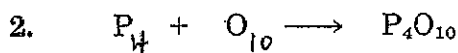
$$\text{Ba} = 1 \quad \text{H} = 1$$

$$\text{S} = 1 \quad \text{Cl} = 1$$

$$\text{O} = 4$$

Unbalanced

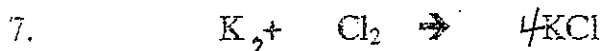
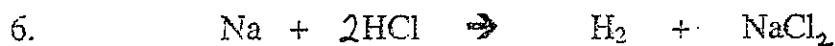
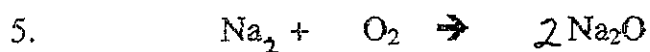
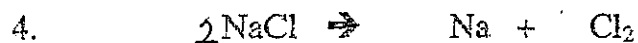
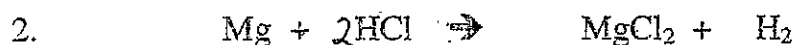
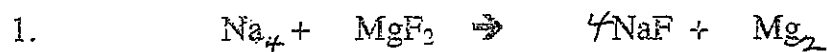
- Unequal amount of Cl and H
in our reactant and product



Balancing Act Practice

Name _____

Balance each equation. Be sure to show your lists! Remember you cannot add subscripts or place coefficients in the middle of a chemical formula.



Challenge: This one is tough!

