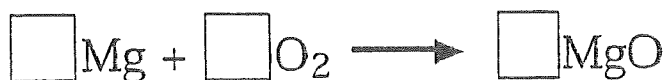


# Balancing Act

Name \_\_\_\_\_

Atoms are not \_\_\_\_\_ or \_\_\_\_\_ during a chemical reaction. Scientist know that there must be the \_\_\_\_\_ number of atoms on each \_\_\_\_\_ of the \_\_\_\_\_. To balance the chemical equation, you must add \_\_\_\_\_ to the different parts of the equation.

1) Determine number of atoms for each element.



Mg =

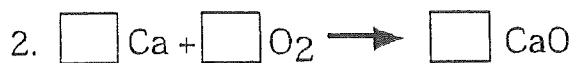
Mg =

2) Try to add coefficients to the equation to get the same number of atoms on each side.

O =

O =

Try these:



Ca =

Ca =

O =

O =

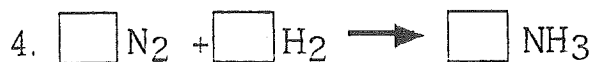


H =

H =

O =

O =



N =

N =

H =

H =



Cu =

Cu =

O =

O =

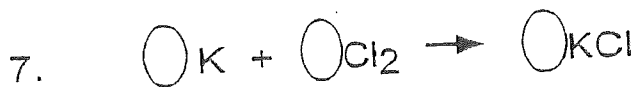
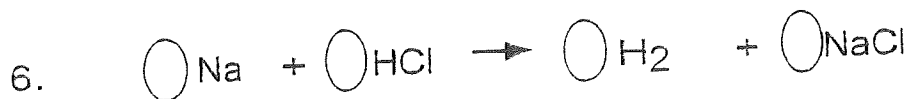
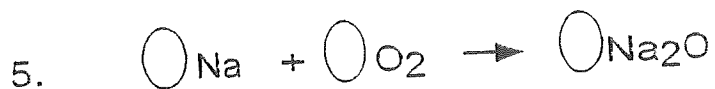
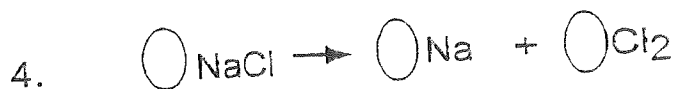
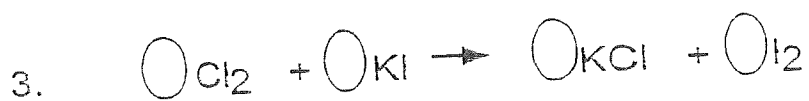
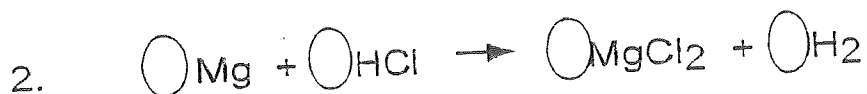
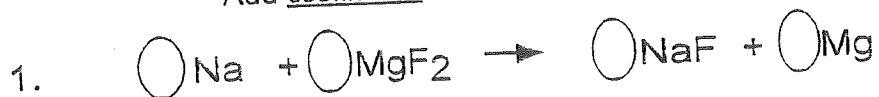
C =

C =

Name \_\_\_\_\_

## Balancing Act

Add coefficients to balance each equation. Be sure to show your lists!



**Challenge:** This one is tough!

