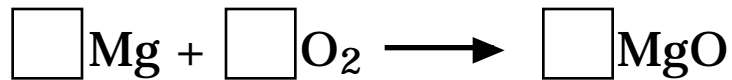


Balancing Act

OVERHEAD COPY

Atoms are not **created** or **destroyed** during a chemical reaction. Scientist know that there must be the **same** number of atoms on each **side** of the **equation**. To balance the chemical equation, you must add **coefficients** to the different parts of the equation.

1) Determine number of atoms for each element.



$$\text{Mg} = 1$$

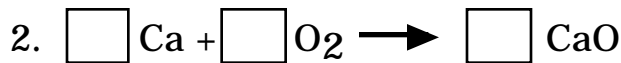
$$\text{Mg} = 1$$

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

$$\text{O} = 2$$

$$\text{O} = 1$$

Try these:

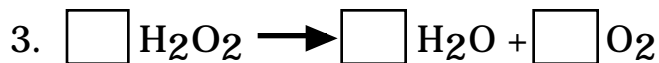


$$\text{Ca} =$$

$$\text{Ca} =$$

$$\text{O} =$$

$$\text{O} =$$

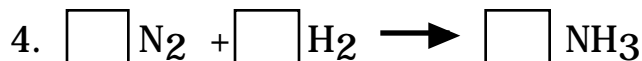


$$\text{H} =$$

$$\text{H} =$$

$$\text{O} =$$

$$\text{O} =$$



$$\text{N} =$$

$$\text{N} =$$

$$\text{H} =$$

$$\text{H} =$$



$$\text{Cu} =$$

$$\text{Cu} =$$

$$\text{O} =$$

$$\text{O} =$$

$$\text{C} =$$

$$\text{C} =$$