

Sample questions:

Write the word equations for the following:

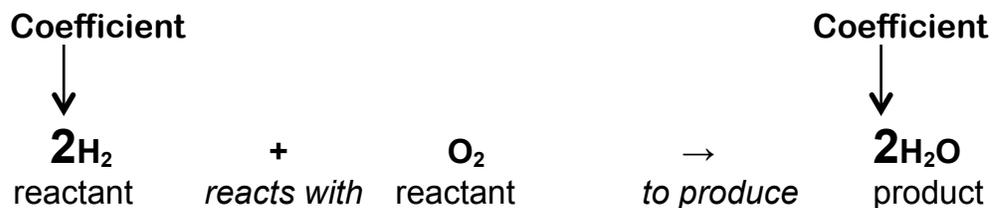
1. **Bromine gas** reacts with **magnesium chloride** to produce **magnesium bromide** and **chlorine gas**.
2. **Calcium phosphide** reacts with **sodium fluoride** to produce **calcium fluoride** and **sodium phosphide**.

Skeleton Equations:

- ▶ A skeleton equation is a word equation written out in **chemical formula**.

e.g. sodium reacts with chlorine gas to produce sodium chloride

Show word equation:

Show **skeleton equation**:**NOTE:**You need to find out the correct **chemical formula** for **EACH** chemical in the word equation **BEFORE** writing out the skeleton equation.**MAKE SURE YOU USE THE CRISSCROSS RULE!!!!****Balanced Chemical Equations**✓ Obeys the **Law of conservation of mass**✓ **Coefficient:** A number **in front** of a chemical formula - to **balance** an unbalanced equation.