

Word Equations Questions

1. When you have a BBQ, the propane burns in oxygen to cook those delicious burgers. The word equation looks like this:

propane + oxygen \rightarrow carbon dioxide + water

- List all the reactants.
- List all the products.
- What does the arrow tells us?

2. Write word equations for the following reactions:

- Table salt (sodium chloride) can be made by reacting sodium with chlorine.
- Magnesium burns in oxygen to form magnesium oxide.
- Calcium sulfate can be decomposed to calcium and sulfur.

(P, D) 3. Write word equations for the following reactions:

- CaCl_2 and Na_2SO_4 react to form CaSO_4 and NaCl .
- BaCO_3 reacts when heated to produce BaO and CO_2 .
- AgNO_3 reacts with KCl to produce AgCl and KNO_3 .

(P, D) 4. Write word equations to represent the following chemical reactions:

- Carbon dioxide and water are produced in human cell respiration. The reactants are sugar and an important gas that humans need to survive.
- Stalactites form in caves when calcium bicarbonate reacts to form calcium carbonate, water, and carbon dioxide gas.