

**Science IST Week 2 – Word Equations**

What elements are the following compounds made up of?

1. CO
2. Carbon and oxygen b) cobalt

c) carbon and dioxide d) carbon and monoxide

1. NaCl
2. Sodium, carbon and lithium b) sodium and chlorine

c) nitrogen, aluminium and carbon d) nitrogen and chlorine

1. CaCO3
2. Carbon and cobalt b) calcium and oxygen

c) calcium , carbon and oxygen d) carbon and oxygen

Complete the following word equations by adding in the missing reactants or products.

1. Sodium + chlorine 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Sodium + chorine b) sodium chlorate

c) sodium chloride d) chlorine

1. Lithium + bromine 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Lithium bromide b) bromine

c) lithium bromate d) lithium + bromine

1. Nitrogen + oxygen 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) nitrogen oxate b) nitrogen c) nitrogen oxide d) nitrogen + oxygen

1. Calcium + carbon + oxygen 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) calcium chloride b) nitrogen carbonate c) calcium carbonate d) calcium oxide

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 lead oxide

a) calcium + lead b) oxygen + nitrogen c) lead + calcium d) lead + oxygen

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + fluorine 🡪 calcium fluoride
2. Fluorine b) oxygen

c) calcium d) nitrogen

1. Aluminium + \_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 aluminium iodide
2. Oxygen b) nitrogen

c) carbon d) iodine

1. \_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 calcium fluoride
2. Calcium + fluorine b) chlorine + fluorine

c) chlorine + oxygen d) calcium + oxygen

1. Physical reactions are reversible?
2. True b) False
3. Chemical reactions are reversible?
4. True b) False
5. Which statement is correct about: Calcium + oxygen 🡪 calcium oxide
6. Calcium and oxygen are the products
7. Calcium is the only reactant
8. Calcium oxide is the reactant
9. Calcium oxide is the product