

WorksheetCloud: WORKSHEET

Grade 9

Subject: Natural Sciences

Topic: General Reactions of metals with oxygen

ACTIVITY 1

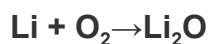
1. Define combustion. (3)
2. What important points do you need to remember about combustion. (5)
3. Give some (four) 4 daily uses of combustion. (4)
4. What is the general reaction for metal and oxygen? (1)
metal + oxygen →
5. How would you define a chemical reaction?

Hint: reactants, products, bonds, rearranged, atoms, molecules, new compounds

6. What is the difference between a picture equation, word equation and chemical equation?

ACTIVITY 2

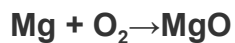
Study the picture equation below. It shows how lithium combines chemically with oxygen. Can you write



- a) Draw a picture diagram of the equation.
- b) What is the name of the product in the reaction
- c) Write the word equation.
- d) Balance the chemical reaction equation.
- e) What group on the periodic table does lithium come from?

ACTIVITY 3

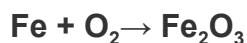
Study the picture equation below. It shows how magnesium combines chemically with oxygen. Can you write



- a) Draw a picture diagram of the equation.
- b) What is the name of the product in the reaction
- c) Write the word equation.
- d) Balance the chemical reaction equation.
- e) What group on the periodic table does magnesium come from?

ACTIVITY 4

Study the picture equation below. It shows how iron combines chemically with oxygen. Can you write



- a) Draw a picture diagram of the equation.
- b) What is the name of the product in the reaction
- c) Write the word equation.
- d) Balance the chemical reaction equation.
- e) What group on the periodic table does iron come from?