

## MATTER AND ENERGY 2

3. Complete the table.

Chemical reaction	Substances combined	Substances produced
Combustion		
Oxidation		
Fermentation		

BACTERIA

OXYGEN

FLAMES

RUST

LACTIC ACID (YOGHURT)

OXYGEN (AIR)

SUGAR

OXYGEN (ELECTRONS OF AN OBJECT)

SMOKE

FUEL

**4. Choose the correct option.**

1. What happens to a compass needle when it is near to an electric current?

- a) It moves.                      b) It doesn't move.

2. The mixture is heated and the liquid component evaporates.

- a) Distillation                      b) Evaporation

3. What materials do we need to make an electromagnet? Choose.

- a) Copper (cobre) wire, a battery and an iron rod (varilla metálica).  
b) Copper wire, a battery, an iron rod and a magnet.  
c) Copper wire and a battery.

4. The mixture is heated and the liquid with the lowest boiling point evaporates first.

- a) Distillation                      b) Evaporation

5. If a magnet is broken into little pieces, does each piece continue to produce a magnetic field?

- a) Yes. Each small piece has a north and south pole, and produces a magnetic field.  
b) No. Each piece will have only north or south pole, depending on the pole it was before.