

When an electric current flows through a conductor, it can heat up, can produce light, can generate a magnetic force or can cause chemical changes in substances.

What effect electric current produces when it through each of these objects?

A table screen 	An oven 
A mobile battery 	A blender 
An electrical scooter 	A doorbell 

Match

Direct current •

• The electrons move in alternating directions

• Toy with batteries

Alternating current •

• The electrons always move in the same direction

• T.V.

Look at the picture of an electric circuit and answer the questions

a. Is the fork an insulator or conductor

b. What would happen if you replaced the fork with a rubber?



Classify the materials into electrical conductors and insulators.

plastic

gold

copper

glass

aluminium

iron

wood

conductors	insulators

Complete the sentences.

attract

repel

electric current

circuit

magnetic

insulators

a. Objects with opposite charges, _____ and objects with like charges _____

b. The movement of negative electric charges creates an _____.

c. Electricity flows when a _____ is complete.

d. Magnets attract objects made of _____ materials.

e. Most plastics are electrical _____