NATURAL SCIENCE – UNIT 8 – ELECTRICITY AND MAGNETISM

4. Choose the correct option.

An electromagnet consists of **an iron core/a plastic core** surrounded by coil of wire.

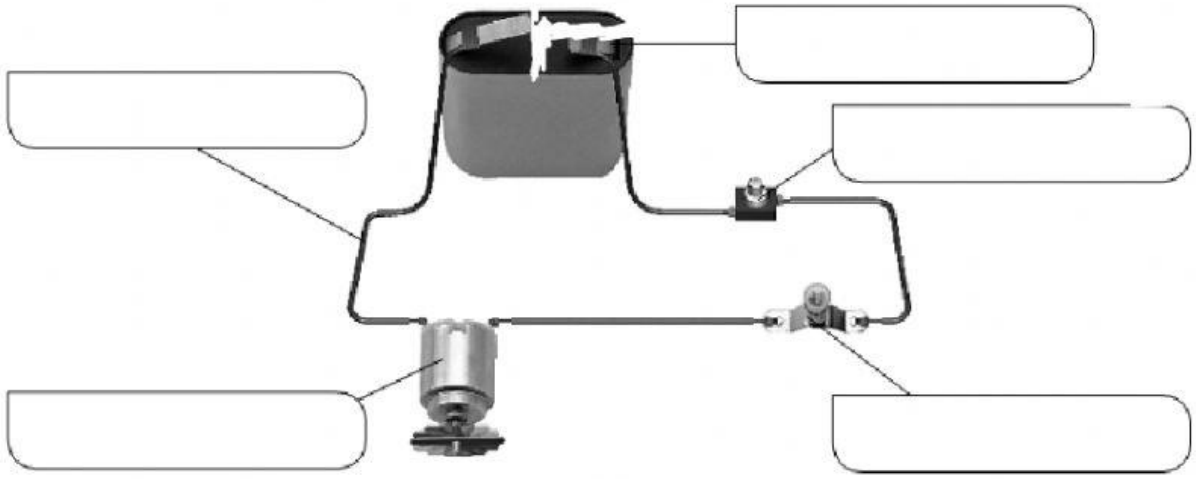
When the coil of **wire/iron** is connected to a source of electricity, like a battery, a **magnetic field/flow of energy** is created.

The iron becomes a **conductor/magnet** and attracts objects made of **insulating materials/magnetic metals**.

When there is no flow of electric current, electromagnets lose their **magnetism/electrical energy.**

This means they can be turned on and off by switching the **magnet/source of electricity** on or off.

6. Label the electric circuit. Then, choose three components and write a sentence about each one.



- _____
- _____
- _____

7. Complete the sentences about magnetism.

a. A magnet attracts objects made of _____ and other magnetic _____.

b. There are natural magnets, like _____, and _____ magnets.

c. _____ poles of magnets attract and same poles of magnets _____.

d. The Earth is a giant _____ with two _____.

e. The red end of the _____ on a compass always points _____.

f. An _____ is a magnet that only works with _____.

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