

## 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.

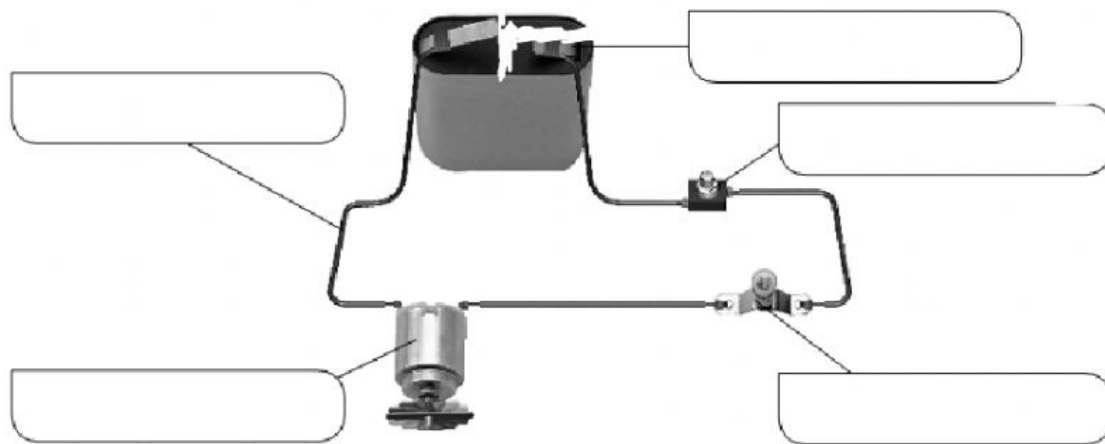
When the coil of **wire/iron** is connected to a source of electricity, like a battery, a **magnetic field/flow of energy** is created.

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 \_\_\_\_\_.