

# NATURAL SCIENCES

## Electricity

### 6<sup>th</sup> GRADE

Name: \_\_\_\_\_

#### 1. Read and match with their definition.

1). Electric current  a flow of electric charge through a conductor

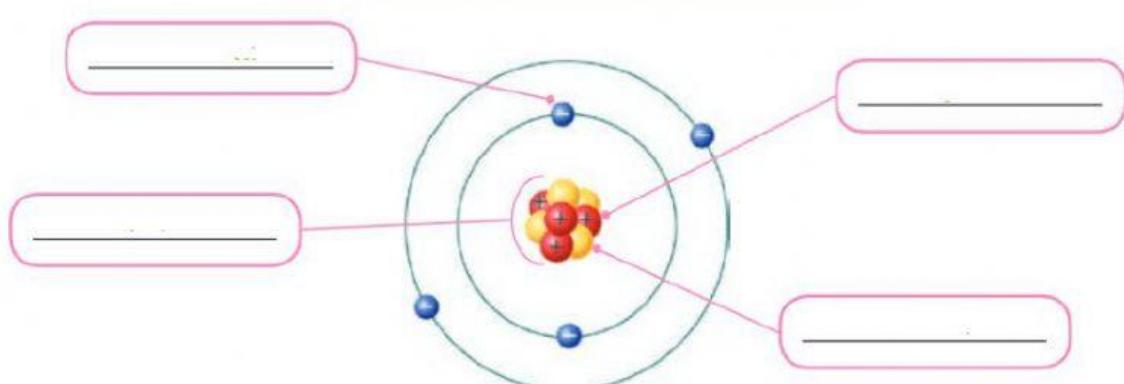
2). An electric circuit  a permanent magnet.

3). Electron  a material that allows electric current to flow through it.

4). Electrical conductor  a continuous conducting path that electric current can flow along.

5). Bar magnet  a negatively charged particle that orbits the nucleus of an atom.

#### 2. Look at the picture and label the parts of the atom.



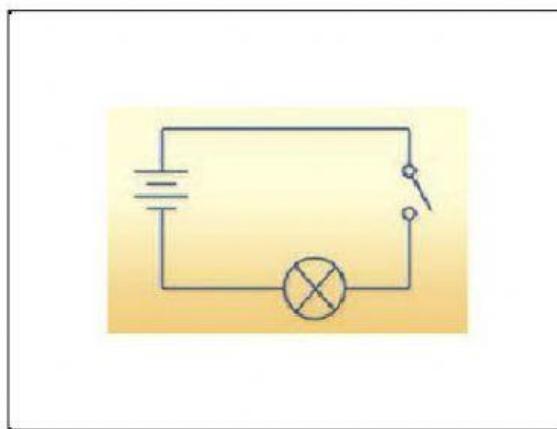
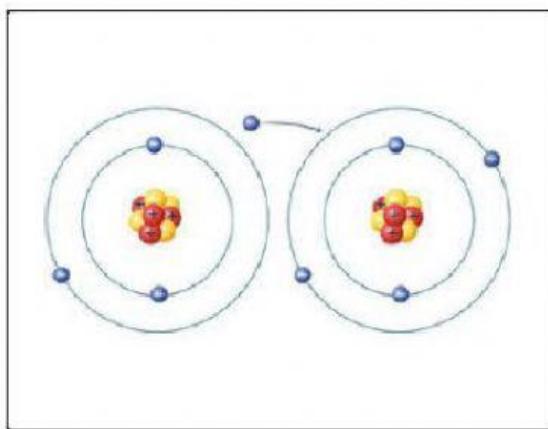
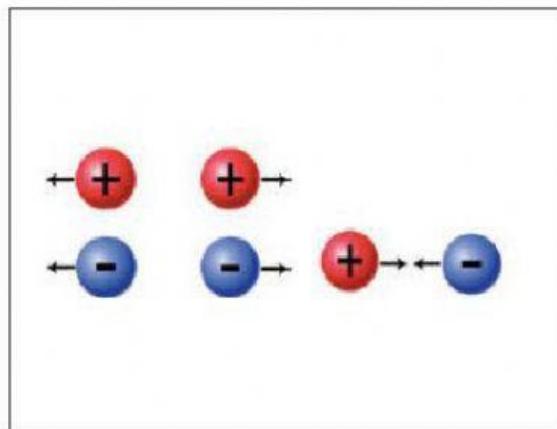
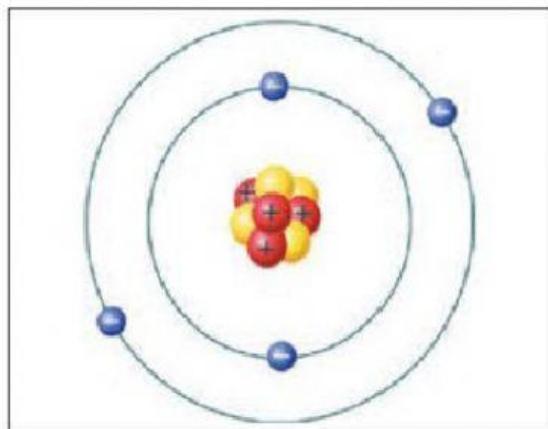
**3. Drag the paragraph to the correct picture.**

Charges that are the same repel each other but opposite charges attract.

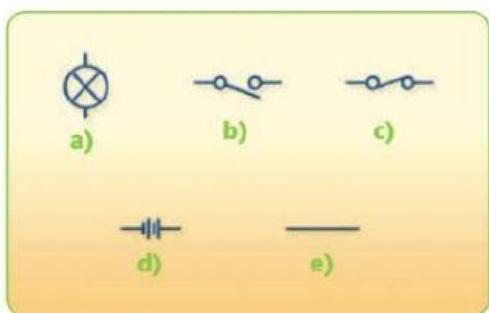
An atom has a nucleus made up of protons and neutrons, and it has electrons orbiting the nucleus.

A circuit is a continuous circle from the battery, through the components and back to the battery.

Electric current is created when atoms repeatedly jump from their orbit to the orbit of another atom.



**4. Write the names.**



a) \_\_\_\_\_  
b) \_\_\_\_\_  
c) \_\_\_\_\_  
d) \_\_\_\_\_  
e) \_\_\_\_\_

**5. Read the text and circle the correct option.**



Electricity is stored in the *battery / terminal* with two *terminals / conductors*. Electrons only flow out if these terminals are joined by a *switch / wire*. Wires are made of metals that are good electric *conductors / insulators*, such as copper. The flow of *protons / electrons* is called a current.

**6. Answer these questions.**

- What is the difference between a **SERIES CIRCUIT** and a **PARALLEL CIRCUIT**?
- What is essential for a circuit to work?
- What type of circuit do you need if you want to light up the lamps of your house?