## THE WORLD OF ELECTRICITY

Prepared by,

Sukhil.k

**G.M.U.P VELUR, ATHOLI** 

#### **Activity 1**



Observe figure 1 and figure 2

- a. Identify the symbols?
- b. What is the difference between them?
- c. Draw the symbol of LED, Buzzer, A glowing bulb, switch off mode?

### **Activity 2**

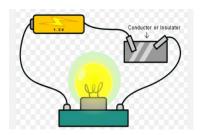
Due to 30% shortage of rainfall, Kerala will be in darkness. If monsoon is not received in full, will be facing severe power crisis. This can be overcome to some extent by using electricity judiciously and avoiding its wastage

Have you noticed the news report?

- a. Write down two precautions to avoid the wastage of electricity?
- b. What first aid will be given to a person affected with electric shock?
- c. Careless handling of electrical equipments may cause accidents. Write 4 situations of such accidents?

## **Activity 3**

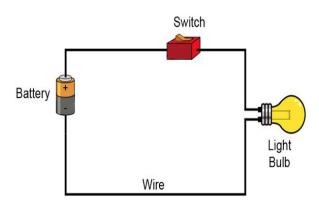
This is an electric circuit prepared by a student



- a. Which materials given below can be used to light the bulb in the circuit?
- 1. copper wire 2. Empty refill 3. Dried rib of a coconut leaf
- 4. paper 5. Special type of wire made up of lead
- b. Classify the given materials in to conductors and insulators?

Pencil graphite, paper, glass rod, Iron, gold, water, plastic, cloth, Dry wooden block

#### **Activity 4**

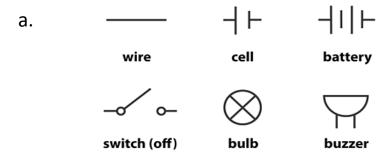


Observe the picture and write the questions given below

- A. Redraw the diagram of closed-circuit using symbols?
- B. Draw 3 closed circuit using materials given below

Buzzer, Mini motor, LED, Wire, Battery, switch

# **Activity 5**



Draw 2 circuit using the above symbols?

b. Identify the tool of an electrician. Write the purpose of this tool?



## **ACTIVITY 6**

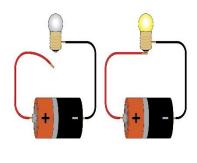


Fig 1 Fig 2

Observe the figure 1 and 2. explain the difference between them? Write two situations in which insulators are used?