

INTERNATIONAL INDIAN SCHOOL BURAIDAH

WORKSHEET

Subject: Science

Class: VII

CHAPTER-14, (ELECTRIC CURRENT AND ITS EFFECTS)

I) Fill in the blanks:-

- 1) A group of two (or) more cells is called a -----.
- 2) A device that breaks the circuit is called -----.
- 3) In electric circuit the electrons flow from -----terminal to the ----- terminal.
- 4) ----- is the best conductor of electricity.
- 5) A ----- is used to protect appliances from damage due to excessive current.
- 6) A device which converts electric energy into light energy is -----.
- 7) Metals are ----- conductors of electricity.
- 8) The coil of wire present in electrical appliances like irons, geysers, kettles etc is called-----.
- 9) The thin wire in a bulb, which glows when electric current passes through it is called -----.
- 10) The magnetic effect of electric current was discovered by -----.
- 11) ----- is used as heating element in an electric iron.

II) Multiple Choice Questions:-

- 1) Electric current is the flow of
 - a) proton
 - b) electron
 - c) neutron
 - d) positron
- 2) Which of the following materials is a conductor?
 - a) silver
 - b) plastic
 - c) cloth
 - d) rubber

- 3) A device which prevents (or) allow the current to flow through it
 - a) Motor
 - b) conductor
 - c) switch
 - d) terminal
- 4) Electromagnet is based on
 - a) Heating effect of electric current
 - b) magnetic effect of electric current
 - c) chemical effect of electric current
 - d) electromagnet effect of electric current
- 5) Filament of electric bulb is made up of
 - a) Nichrome
 - b) silver
 - c) copper
 - d) tungsten
- 6) MCB in electric circuit stands for
 - a) Minimum current breaker
 - b) maximum current breaker
 - c) miniature circuit breaker
 - d) motor current breaker
- 7) Electric current is measured by a device
 - a) Voltmeter
 - b) galvanometer
 - c) ammeter
 - d) odometer

III) Answer the following questions:-

- a) Why CFL is considered better than electric bulbs?
- b) What are MCBs?
- c) Give reasons for excessive current in electrical circuits.
- d) Write any three appliances of electromagnet.
- e) What is the difference between open and closed circuit?
- f) What is electric bell? Name its main components.
- g) What is a fuse? Write its function?
- h) Why do we use nichrome in an electric heater?