

WORK SHEET
SUBJECT- SCIENCE
LESSON 7– ELECTRICITY

CLASS- VII

I. Choose the correct answer:

- 1) Filament is made up of
 - a) Tungsten
 - b) Aluminium
 - c) Copper
 - d) Tin
- 2) Resistance depends on
 - a) Material
 - b) Thickness
 - c) Length
 - d) All of these
- 3) A length of wire wound closely together is called a
 - a) Resistance
 - b) Coil
 - c) Soft iron
 - d) Fuse
- 4) The thin & coiled wire inside a bulb is called:
 - a) Terminal
 - b) Filament
 - c) Connecting wire
 - d) Supporting wire

II. Fill in the blanks.

- 1) An electric cell has _____ terminals.
- 2) A group of connected cells is called a _____.
- 3) A thin wire has a _____ resistance than a thick wire.
- 4) The lower the resistance, the _____ is the current.
- 5) The iron used in nails is called _____ iron.

III. State true or false.

- 1) Electric current flows through a closed circuit.
- 2) A long wire has a higher resistance than a short wire.
- 3) The higher the resistance, the lesser is the heat produced.
- 4) The greater the voltage across a device, the greater is the current through it.
- 5) Overload & short circuit cause minimum heating.

IV. Match the following.

A

- 1) Electromagnets
- 2) Nichrome
- 3) Conductors
- 4) Insulators

B

- a) Plastic
- b) Electric bell
- c) Heating element
- d) Metals

V. Define.

- 1) Current
- 2) Electric circuit
- 3) Circuit diagram
- 4) Resistance
- 5) Fuse
- 6) Coil
- 7) Electromagnet
- 8) Overload
