1. Answer the following questions.

i. What is electric current?

ii. Define static electricity.

iii. What do you know about atom?

iv. Name one conductor and one insulator you can see in your home.

v. Write down the components of electric circuit.

2. Long Answer Questions.

i. **Write a note on electric charge.**

_____

_____

_____

_____

ii. **What do you know about electricity? Explain.**

_____

_____

_____

_____

3. Tick the right option.

1. Which of these correctly defines electric current?

I. the flow of protons in an object
II. the flow of atoms in an object
III. the flow of electrons in an object
IV. the flow of neutrons in an object

2. When an object gains electrons, it:

I. is positively charged
II. is negatively charged
III. remains neutral
IV. none of the these

3. An object becomes charged when:

I. it loses or gains electrons
II. electrons number is equal to protons number
III. it is raining
IV. it remains neutral

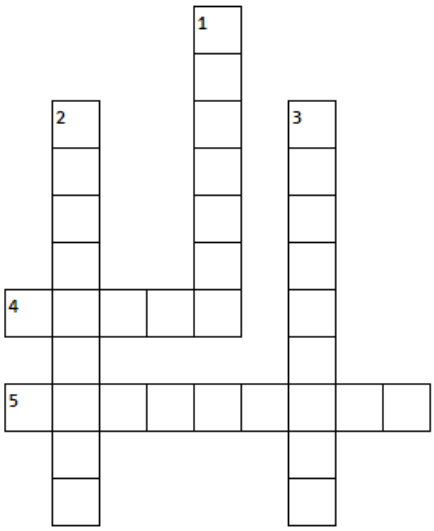
4. If a material is negatively charged, it will:

I. attract a negatively charged object
II. attract a positively charged object
III. repel a positively charged object
IV. None of these

5. Lightning is an example of:

I. electric current
II. static electricity
III. sound energy
IV. None of these

4. Crosswords



Across

4. Tiny particles in matter

5. Current cannot pass

Down

1. Center of atom

2. Negatively charged

3. Current can pass

5. Words Search

Find the following word in the words search.

Proton	Static	Current	Fuse	Negative

P	R	O	T	O	N	F	S	O	A
M	L	I	Q	U	E	D	P	N	L
V	N	F	Y	E	G	E	E	V	H
O	I	U	T	G	A	N	E	R	G
L	A	S	T	A	T	I	C	R	E
U	M	E	R	E	I	I	A	Z	T
M	V	F	L	O	V	T	N	P	U
E	C	U	R	R	E	N	T	D	S
G	F	O	R	C	E	B	R	L	Q

6. Jumbled Words

i. CUITCIR _____

ii. EELTYRICCIT _____

iii. LIGINGHTN _____

iv. REYBATT _____

v. IVEPOSIT _____

7. Columns

Match Column A with Column B.

Column A		Column B
The flow of electrons		Charged object
Object gains electrons		Electric current
Particle having no charge		Proton
Negatively charged particle		Neutron
Positively charged particle		Electron

8. Fill in the blanks using the given words.

atoms	static	battery	negatively	positively

i. In an electric circuit, the current flows from the _____ to the terminal.

ii. When an atom gains electrons it becomes _____ charged.

iii. All matter is made up of tiny particles called _____.

iv. Lightning is caused by _____ electricity.

v. When an atom loses electrons it becomes _____ charged.

9. Write "T" for the true and "F" for the false statement.

i. A material that does not conduct electricity is called an insulator.

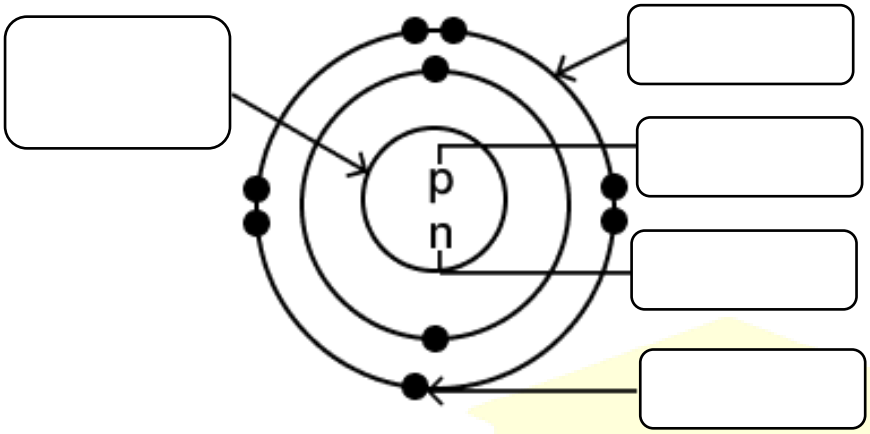
ii. A positively charged object will attract another positively charged object.

iii. An atom is said to be neutral if it has more protons than electrons.

iv. If some electrons are removed from an object, the object becomes negatively charged.

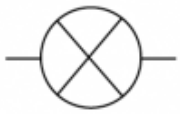
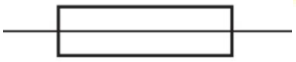
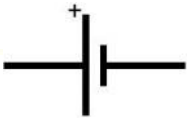
v. A spark is an example of electric current.

10. Label the diagram.



11. Drag and Drop

Look at the pictures and write the names in the relevant column.

12. Comprehension

Answer the following questions after reading the paragraph.

The electric circuits are closed-loop or paths, forming a network of electrical components where electrons can flow. An electric fuse is a safety device that operates to provide protection against the overflow of current in an electrical circuit. The components of the electric circuit are: electric bulb, battery, switch, fuse and wires.

i. What is electric circuit?

_____

_____

ii. Write down components of electric circuit?

_____

_____

iii. What is electric fuse?

_____

_____