

**Picture 1**



Which picture are we describing?

- 1) Your hair stands on end.
- 2) You rub the balloon on your hair.
- 3) Electrons pass from your hair to the balloon.
- 4) Electrons move between materials.
- 5) Your hair is attracted to the balloon.

**Picture 2**



Click on the words related to electric current.

flow

plug

static electricity

socket

atoms

conductor

insulator

wire

electrons

wireless

How does electric current flow through wires? Order the steps.

- 1) This movement causes a flow of negative electrons between the atoms.
- 2) The negative charge of electrons creates a positive electric current in the opposite direction.
- 3) First, a negatively charged electron jumps to the next atom.
- 4) The electrons flow in the same direction.
- 5) The movement of this electron pushes another electron that also jumps to the next atom.



Fill in the missing words from the box.

computer

electricity

plug

electricity

wire

computer



b)

The \_\_\_\_\_ needs \_\_\_\_\_

to work. When we \_\_\_\_\_ it in,

\_\_\_\_\_ goes down

the \_\_\_\_\_ and

the \_\_\_\_\_ works.

Answer these questions.

- a) When is electric current produced?
- b) What happens inside the wire when there is an electric current?
- c) What happens to two positive charges together?
- d) How can we make a magnetic field stronger?

A negatively charged electron jumps to the next atom.

By winding the wire into a coil around an object made of iron.

They repel each other.

It is produced when electrons flow between atoms.