ELECTRICITY

Electrical energy is one of the most common energies in our daily lives, as many of the appliances around us need it to work. From the electrical appliances in our homes to street lighting and even electronic devices and multimedia equipment. Electricity is a manifestation of electrical energy.

1- Complete this text with the following options:

attract – electrically charged – lightning – negative – neutral – repel – static electricity

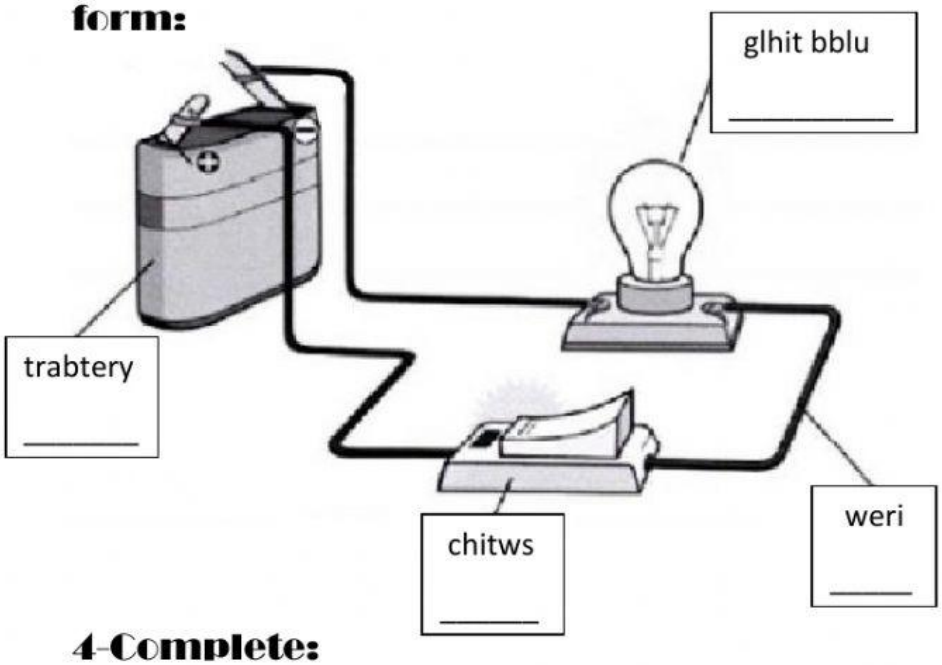
Electricity occurs naturally for example in _____ storms. Electric charge can also build up in our clothes. When you take your jumper off the charge is released. This is called _____ . There are two opposite types of electric charge: positive and _____ . Objects are usually _____: they are not electrically charged. An object can become _____, this means that it can acquire more positive or negative charges. When two objects have different electric charges they _____ each other. When two objects have the same charge they _____ each other.

2-Classify into conductor or insulator:

COPPER – GLASS – IRON – NICKEL – PLASTIC – POTTERY – WOOL - RUBBER – SALT WATER – SILVER – THE HUMAN BODY - WOOD

CONDUCTORS INSULATORS

3-Write the parts of the circuit in the correct form:



4-Complete:

attract – compass – conduct – conductors – current – don't – electric – electromagnet – identical – insulators – iron – magnet – north – opposite – particles – passes – power – repel – wires

• Negatively charged _____ can pass from one object to another.

• Objects with _____ electric charges attract each other, and objects with _____ electric charges repel each other.

• An electric _____ is the movement of _____ charges through a material.

• _____ are materials that _____ electric current easily.

• _____ are materials that _____ conduct electricity very well.

• A _____ is an object that attracts _____ and other metals.

• The identical poles of two magnets _____ each other, and the opposite poles _____ each other.

• A _____ has a needle that points to Earth's magnetic _____.

• An _____ works when an electric current _____ through it.

• A basic electromagnet includes a _____ source, metal _____ and an iron object.