Current:

The flow of electrons specific conductor material or semiconductor

Voltage:

Potential difference between 2 nodes is called voltage. For example take a conductor in that electrons are in random position. When we will give some voltage 5v .the electron move in one direction is known as current and voltage is known as potential difference.

Inductor:

It is coil of semiconductor in which the current flow through it. By flowing of current it by producing some magnetic field. For example when we will 5v to it will stores after it will conductor inform of magnetic field .

Transformer:

A transformer is an electric device it consists of 2 coils of wires that are connected by an iron core .the main function of a transformer is to increase (set up) or decrease (step down) Ac voltage.it will also allow dc voltage. For example 230v of transformer to 70v decreasing voltage is known as set up transformer when we give 10v to the coil get heated and produce magnetic and transvers to current to another coil in .70v to increase to 230v is known as set down transformer when we give 7v to the coil get heated and produce same field transvers to current to anther coil more supply

Resistor:

It is element which control the flow of current in conductor .for example when we give 5v to it. It takes 2v and gives 3v .why because when electrons are moving it opposes some energy and transvers reaming volts

Transistor:

It is a semiconductor it is used to amplify or switch electronic signals and electronic power .it is three terminal device collector emitter base. And it can be used as a switch it has 2 transistors NPN and PNP in NPN transistor the current flows from collector to emitter it is forward bias if N1>0.7. when 0.7v is given to the transistor it greater than current flow .In PNP transistor the current flows from emitter to collector it is back word biasN1<0.7when 1v is given to transistor it is less than it will beaks the node

LED:

It is diode and a semiconductor. When suitable current is applied to it electrons able to recombine with electrons holes with in the device and released energy in the form of light it is used as indicator

Switch:

It a electrical device .which is employed to interrupt the circuit. Interrupting the current to and to provide a current from one conductor to another conductor .it works on ON OFF mechanism.

Battery:

It is electrical device employed to convert chemical energy into voltage through electro chemical discharging reaction.

Fuse:

It is a wire protect the component from distractions when excess of current flow though it. when excess of current flows the wire get heated and break the wire in circuit