

E = PtEnergy transferred = power x time If you touch something with a high p.d., current = charge x potential will pass through you into the ground (OV p.d.) Energy E = Q Vtransferred Knowledge required resistance Measured in ohms (Ω) from previous topic

The amount an object reduces the current.

difference

Completes circuit; allows switch (closed) current to flow Store of chemical energy Two or more cells batterv Only allows current to diode flow one way Fixed resistance reduces resistor current Changeable resistance variable resistor reduces current **Emits light LED Emits light** lamp Breaks circuit when fuse current too high Measures potential voltmeter difference Measures current ammeter Resistance decreases as thermistor temperature increases Resistance decreases as LDR light intensity increases The number of electrons. Measured in charge coulombs (C) Flow of charge (the speed of electrons). current Measured in amps (A) Energy per electron. potential Measured in volts (V) difference

Breaks circuit; stopping

the current