charge of 1e = 1.6x1019C 1 coloumb of charge = 6.24 × 1018 electron Note:> Free electron -> Those e are very loosely attached to neceley of an alom and can be easily detached called force =-(4) Electric potential. -> When a body is charged, caye supplied to it Or they are gemoved from it. Thus work is done. It is stored in the body in the form of electric potential Electric potential = Workdone = W > Joule Vold.
Charge Q Coulomb Vold. Capacity of Charged body to do work is called electric potential W=1Joule, Q=1 Coulomb Unita (5) Difference in electric potential of two charged body is called Vott, potential difference. (6) The Rate of Change of Charge wirt to time is called Current. Unit Ampeu i=dq C or A

Mote: Matter flow flows from higher potential to lower potential (i.e positive terminal to negative terminal of Cell through external clat).

(a) VA / VB

(b) VA (VB

(C) VA = VB

(D) VA = VB

Lower potential

B.

(7) Resistance. -> It is the element which offer of position to
the flow of Current (clectron). Thus heat will broduced
due to Collision of moving electron with other atom and
moleules. Thus it will Convert electrical into heat energy.
How to identify -> Voltage across the element is linearly
prop. to Current, then element is resistor.