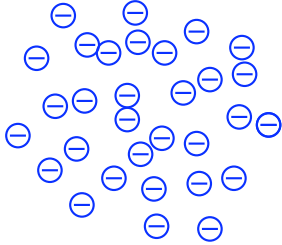


ELECTROLYSIS STOICHIOMETRY

Faraday's Constant

A coulomb is an amount of charge.

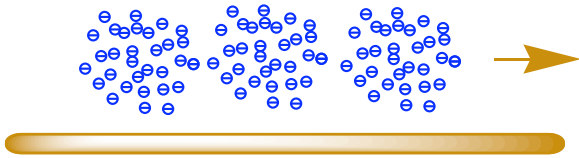


Amount of charge per mole of electrons

96490 coulombs/mole e^-

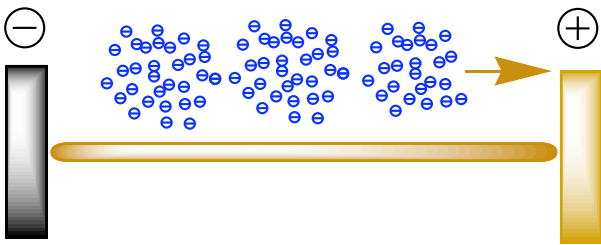
Number of charges per coulomb

6.241×10^{18} electrons/coulomb



Current = amount of charge (# e^-) per second

ampere = coulombs/second



Energy = Joules = charge X potential
= Coulombs X Volts

Power = watts = energy / time
= Joules/second

746 watts = 1 horsepower