Answer on Question #77588 - Chemistry - Physical Chemistry

Question:

The numerical value of the Faraday constant is given as 96,500. This value represents

the number of coloumbs of charge carried by one mole of

electrons.

the number of electrons corresponding to one coloumb of

charge.

the number of electrons corresponding to one mole of

electric charge.

the number of ions discharged by the passage of one mole

of electrons.

96,500 amp/sec.

Solution:

Numerically, the Faraday constant is equal to the electric charge of 1 mole of electrons.

So, correct answer is: the number of coloumbs of charge carried by one mole of electrons.

Answer: the number of coloumbs of charge carried by one mole of electrons.