#Jenny

Finally I get this ebook, thanks for all these I can get now!

#Rio

Cool! I'am really happy

#Markus Jensen

I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu

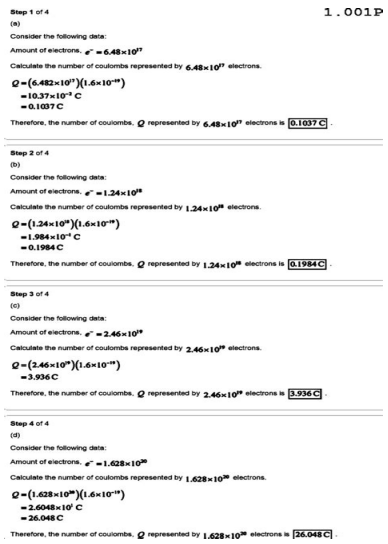
wtf this great ebook for free?!

#Che Salsa

My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler

so many fake sites. this is the first one which worked! Many thanks



1.001P

Step 1 of 4

(a)

Consider the following data:

Amount of electrons, $e^- = 6.48\times10^{17}$

Calculate the number of coulombs represented by 6.48×10^{17} electrons.

$Q = (6.482\times10^{17})(1.6\times10^{-19})$
$= 10.37\times10^{-2}$ C
$= 0.1037$ C

Therefore, the number of coulombs, Q represented by 6.48×10^{17} electrons is $\boxed{0.1037\text{ C}}$.

Step 2 of 4

(b)

Consider the following data:

Amount of electrons, $e^- = 1.24\times10^{18}$

Calculate the number of coulombs represented by 1.24×10^{18} electrons.

$Q = (1.24\times10^{18})(1.6\times10^{-19})$
$= 1.984\times10^{-1}$ C
$= 0.1984$ C

Therefore, the number of coulombs, Q represented by 1.24×10^{18} electrons is $\boxed{0.1984\text{ C}}$.

Step 3 of 4

(c)

Consider the following data:

Amount of electrons, $e^- = 2.46\times10^{19}$

Calculate the number of coulombs represented by 2.46×10^{19} electrons.

$Q = (2.46\times10^{19})(1.6\times10^{-19})$
$= 3.936$ C

Therefore, the number of coulombs, Q represented by 2.46×10^{19} electrons is $\boxed{3.936\text{ C}}$.

Step 4 of 4

(d)

Consider the following data:

Amount of electrons, $e^- = 1.628\times10^{20}$

Calculate the number of coulombs represented by 1.628×10^{20} electrons.

$Q = (1.628\times10^{20})(1.6\times10^{-19})$
$= 2.6048\times10^{1}$ C
$= 26.048$ C

Therefore, the number of coulombs, Q represented by 1.628×10^{20} electrons is $\boxed{26.048\text{ C}}$.

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