

CHARGE & ITS TYPES

INTRODUCTION

- The next concept which we need to understand is Charge, so what is this charge? Let me again come back to the previous example I gave you in the previous video "THE SOLAR SYSTEM AND THE ATOM" Now let me ask you a question you know that the planets are perfectly revolving around the Sun in their own elliptical imaginary parts called as orbits am I right? Yes so this is what we have studied we know that there is Mercury, Venus, Earth, Mars, Saturn, Uranus, Neptune all these planets are revolving around the sun, Now my question is how is it that all the 8 planets are perfectly revolving around the sun without any of them colliding against any other planet how is that possible, when I say this a lot of people answer me back saying that it is because of the orbits but they don't understand orbits are imaginary there is no such thing in space called as orbits the path travelled by these planets is called orbits. If you got the answer comment it down you can pause while you are answering, the answer is Gravitational force. Same way in an Atom there are electrons revolving around the nucleus and they do not collide or dash or fall into the nucleus how is this so this is where there is another force called as charge, so in the solar system you have the Gravitational force on the other hand in an Atom we have charge.

On that note we have completed the introduction part of the video and now let's go to the next topic

2 TYPES OF CHARGE

- Charge is of 2 types 1 we call it as The force of emission and another we call it as the force of absorption. Emission is positive charge and absorption is negative charge just see this 2 kids on the slide 1 is throwing the ball and another catching the ball, so 1 is Emitting the force and another is catching the force right, now simple example to understand this. Imagine I am a very greedy person which again an imagination I am not a greedy person in real life but

imagine it right now, what I would do, let me say you are having 100 rupees what I am gonna do is I am going to pull that entire cash from you and put inside my pocket what will happen so now whatever you have I absorbed so I become a negative person and you have that 100 rupees and you gave off so what happen you became a positive person. So in this case you are emitting the force and I am absorbing

that similarly in battery there 2 things + and - everybody knows that + has positive and - has negative charge. So what happens is from force of absorption to force of emission the thing happens. So this is how the charges work and there are 2 types as I already told you force of emission(+) and force of absorption(-)

On that note guys we have completed our 1 first topic so now let's begin to our next topic

UNIT OF CHARGE

- The unit of charge is 'Coulomb' what is this unit, you may ask this question what is this unit. I will be telling you in the next topic of the video.

WHAT IS UNITS?

- Let me put you in this example what if I ask you to measure distance between 2 points named A and B what you will do from point A to point B you will use a

scale and measure and you will tell me, after you measure there will be some values attached to your numbers right for example let us say that the distance between those 2 points is 10CMs that "CM" that is what we call it as units. For example of units : Seconds, Meter, Grams. Same way if you want to measure the force push or pull then that we call it as coulomb.

SO I HOPE THAT YOU HAVE UNDERSTAND ALL THE TOPICS WHICH ARE COVERED IN THIS

VIDEO AND IN THE NEXT VIDEO I WILL EXPLAIN UNITS MORE BRIEFLY IF YOU HAVE ANY QUERY PLEASE COMMENT IT DOWN AND PLEASE CHECK THE NOTES OF THIS VIDEO WHICH I HAVE PROVIDED THE LINK IN THE DESCRIPTION OF THIS VIDEO DO SUBSCRIBE MY CHANNEL AND PUNCH THE LIKE BUTTON ON YOUR SCREEN AND I WILL SEE YOU IN THE NEXT VIDEO UNTILL THEN BYE BYE!!

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