

INTRODUCTION

So, what really an Atom is?

- ❖ *The first most important concept which you need to understand is the working of every non-living thing you see is the Atom right? So what are we going to see in this video is what is Atom and how it is going to be helpful in building robots and why it is very important to understand about Atom, Because the basics of the electronics or the basics of technology or the basics of robotics everything starts with the Atom. So in this video I am going to take you through the concepts of the Atom.*

So on that note Let me bring you on the ppt I have created for you

SOME BRIEF INFORMATION ABOUT ATOM

- ❖ *Atom is actually the smallest or the tiniest particle of an element. So what does this mean? Let me give you an example, lets take a piece of chalk stick if I break it what will happen it will become into 2 pieces and then again break the 2 pieces into 2 each, what will happen it will become 4 pieces and the cycle goes on, ultimately what the result we have it on our hand is chalk dust right, So if I ask you to hold only one chalk dust exactly one not more than that okay will that be possible? Practically saying its impossible but if you are able to do that then that what we call it as an Atom, and you can view an Atom only through a special microscope known as electron microscope.*

So on that note we began to our next topic.

WHAT IS INSIDE AN ATOM?

- ❖ *So inside this Atoms you have 4 important components, For this let me give you an example of Solar System, so in the solar system you have Sun in the middle of the system and around that you have an orbit and on the orbits we have the planets revolving around the sun, Atoms are pretty much similar to the solar system but is a very very minified version of the system. So in the place of Sun we have nucleus which is middle of the Atom which is the source of power the source*

of energy right, so and around it you have the imaginary parts known as orbits and on the orbits you have the Electrons revolving around the nucleus, and inside the nucleus you have to more components which are Protons and Neutrons

So on that note we began to our next topic.

CHARGES OF PEN

- ❖ *So proton is positive charge electron is negative charge and neutron is 0 charge, so what is this charge I will be telling that in the next video so until now just remember proton(+) electron(-) and neutron(0)*

So on that note we began to our next topic.

MOLECULE

- ❖ *So what is the molecule means is that if 2 or more Atoms combine they form molecule for example let us take water everybody knows that water is a combination of 2 hydrogen atoms and 1 oxygen atom which is H_2O , So you have 2 hydrogen atoms and 1 oxygen atom they all combine to form 1 molecule known as water.*

So on that note we began to our next topic.

MATTER

- ❖ **2 or more molecules combine together form matter, So let us assume 1 brick is equal to 1 atom now what I am going to do is I am going to arrange this bricks 1 by 1 in a single line and then on top of it and then another row on top of it and keep on increasing now all this bricks combine to form a wall so I consider the wall as a molecule and the bricks as atoms , now let us say that I have 1 wall at North 1 at South 1 at East and 1 at West so this walls form a square so I consider this square as matter.**

**SO I HOPE YOU HAVE UNDERSTAND ALL THE TOPICS WHICH ARE COVERED IN THIS VIDEO
IF YOU HAVE ANY QUERY PLEASE COMMENT IT DOWN AND PLEASE CHECK THE NOTES 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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