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# What is Electricity and it's Discovery --

- The general definition of electricity is that it's a form of energy resulting from the existence of charged particles ( such as electron , proton ) , either static either statically as an accumulation of charge or dynamically as a current.



There is a question Everyone use to ask when electricity was invented, who was the creator of electricity, who was that first man who invented this great thing .

**Electricity was never invented, it's a form of energy which has always existed throughout the universe.**

Electricity is just like the other energy's which are available throughout our universe. Electricity is one kind of energy which can't be destroyed or created but in can be transferred into other states as per our requirement

## History of electricit

As we know electricity was never invented, it was discovered. But it was not discovered by only one person, a lot of persons and their research are behind the discovery of electricity .

A long time ago a great scientist Thales discovered that if we rub a piece of glass with a cats hair , then it generates some kind of energy which attracts the other small particles than it.

And after a lot of research Thales discovered that it's not a magic it's some kind of energy and he named it Electricity.

Afterthat on **1752 Benjamin Franklin** proved that Electricity exists . And he performed a lot of practical experiment to proff it .

Now people knew these is some kind of energy which is known as electricity but people couldn't find a way to control it or store it .

At that time on **1800 Alessandro volta** discovered that Electricity can be generated by chemical reactions also and he invented electric cell .

Afterthat on **1831 Michelle Faraday** discoved the untold truth of this energy, he discovered how can we generate electricity using copper wires and DC current was generated.

But there was a problem that DC current can't be transferred in long range so if you have to distribute dc current in long range then you would have to make power station in every long distance area which was so pathetic to everyone but no one gave so much importance on this problem .

But Nikola Tesla got this problem and he thought he can find a solution of this problem . And after a long time **Nikola Tesla invented the AC current on 1887 for the first time .**

The research didn't just stop after this . The research of solving the mystery of this unknown energy is still going on.

After a time humans found some ways to generate electricity. They are two ways mainly we generate electricity nowadays. What we use to generate electricity is mainly known as primary Sources and Secondary Sources .

Primary Sources are those which we can obtain by Nature , those are Sun , Wind , Water etc

Secondary sources are Coal , Gas , Oil etc . In our current Century we mainly depend on secondary sources .

## The importance of Electricity in our Daily Life

Nowadays Electricity has become essential for Everything. We can't imagine staying one day without electricity . For every work which is necessary in our regular life required electricity like **Entertainment , HealthCare , Engineering, Transport and Communication , Outdoors , Household , commercial , office , Research etc .**

Electricity is everywhere we use electricity for every work. The main reasons for using electricity rather than other energy's because –

- Easy to transport .
- Easy to maintain .
- Generation is also easy .
- Finding a substitute of this energy is difficult .

Electricity has become a part of our life . Starting from the morning when we wake up by alarm and till going to sleep while listening to music we use electricity for every work .

Electricity has solved lot of problems. Nowadays we are able to communicate with anyone no matter where we are in this world and it is possible because electricity was generated .

Electricity plays a pivotal role in the fields of medicines and surgery too — such as X-ray, ECG. The use of electricity is increasing day by day.

## What would have happened to the world if electricity was never discovered ?

The world without electricity today is unimaginable . If electricity was never discovered then Thomas Edison never became successful to invent Light bulbs. As a result we would probably be at least 50 years behind in electrical and electronics. The accessories which we use today would have been useless today like TV ,Refrigerator, Microwave, phones Computer, Laptop, also other electronics Components We would have lived in Darkness without Electricity.



A Real-life example of human Life without Electricity

**Conclusion :** In a simple word we can say without Electricity humanity wouldn't have reached the position where it is right now . Without electricity the world is nothing but a dark planet like others . Electricity has become a part of our human life , we can't get it out from our life not we can't even imagine our life without it .