

Electricity Comic

By: Caitlin

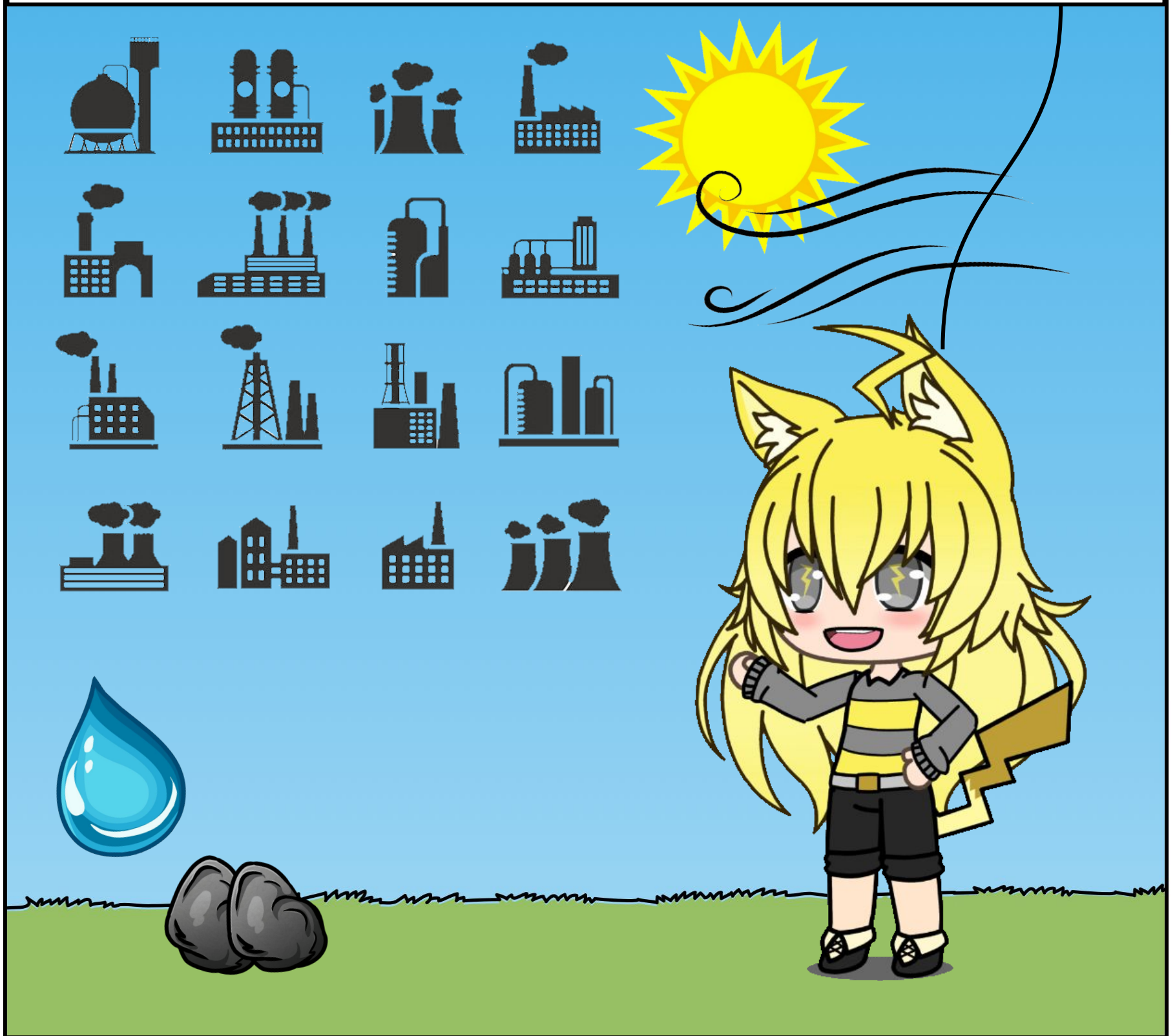




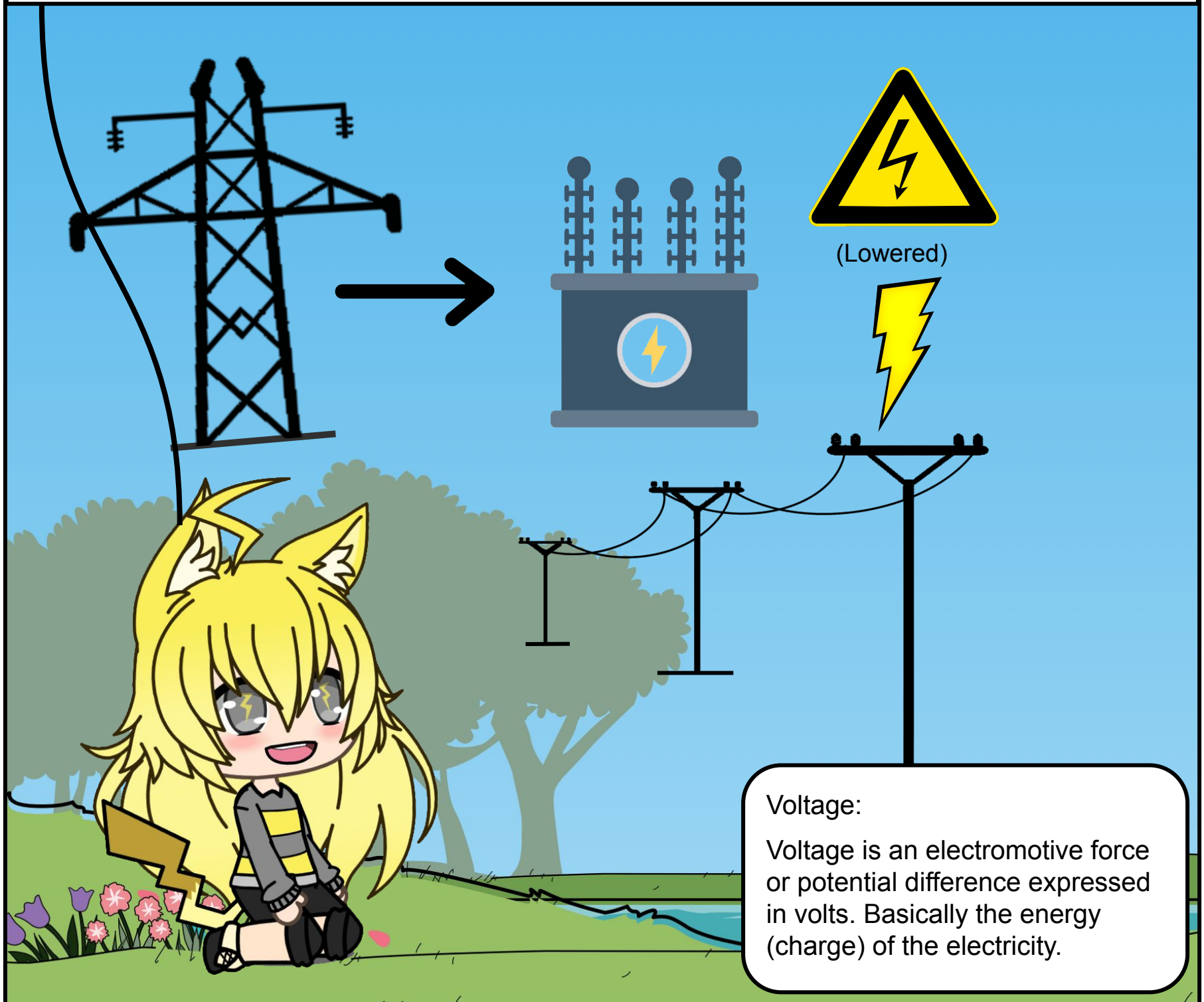
Hi there. Today we
are going to talk
about electricity.



Electricity is made at generating station by huge generators. They can use things like water, wind, coal, sun... as their energy source.



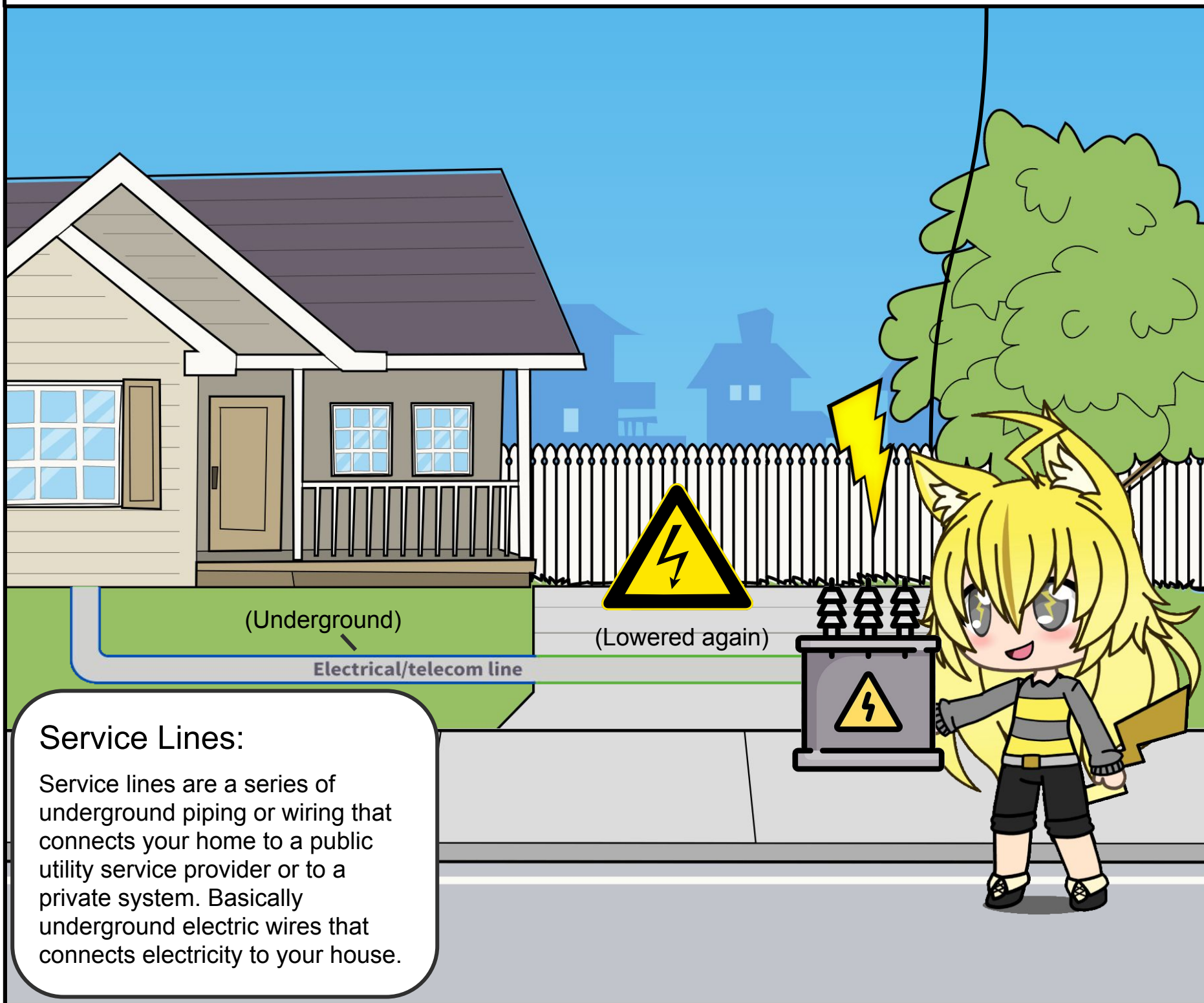
After electricity is generated, it'll be send through the transmission lines that goes all around the country. Once it reaches a substation, the voltage in it is lowered so it can be sent through smaller power lines which we called the distribution lines.



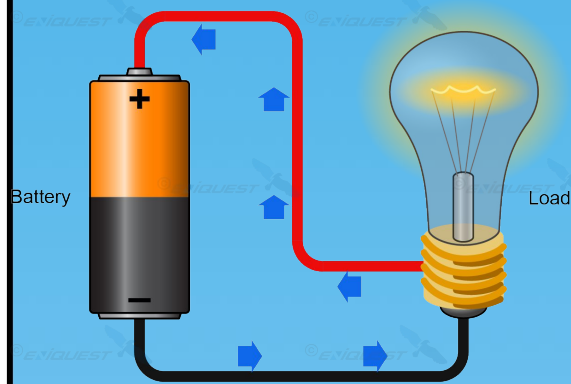
Voltage:

Voltage is an electromotive force or potential difference expressed in volts. Basically the energy (charge) of the electricity.

Electricity travels through distribution lines to all around our neighborhood. Once it reaches small transformers, it reduce the voltage again to make the power safe to use in our homes and it'll connect to the service lines underground.

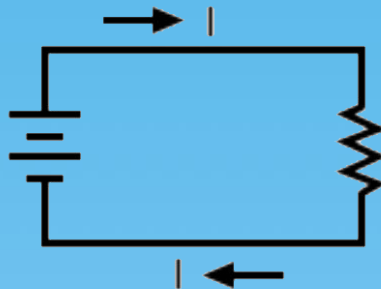


Now that we talked about how electricity is generated and sent to your house, let's talk about currents. There are 3 types of current, Electric current, Alternating current and Direct current.

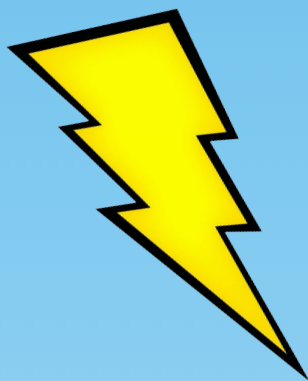
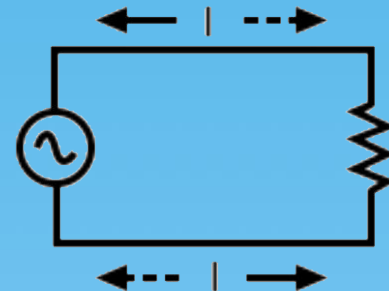


(Electric current)

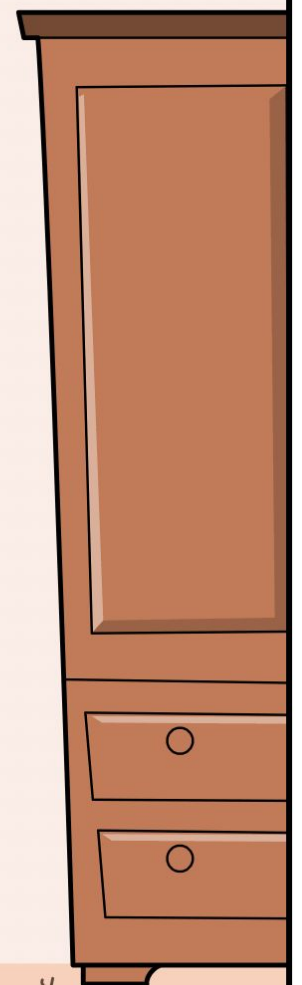
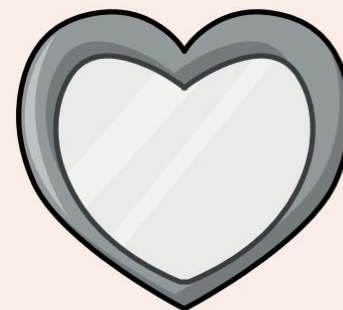
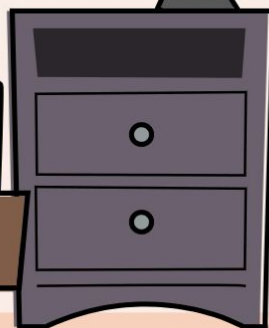
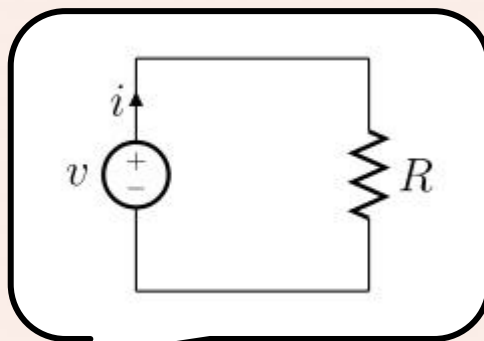
DIRECT CURRENT
(DC)



ALTERNATING CURRENT
(AC)



An electric current is the rate of a flow of electric charge past a point. An electric current is said to exist only when there is a net flow of electric charge through a region. In electric circuits this charge is mostly carried by electrons moving through a wire.



An Alternate current is an electric current that reverses its direction many times a second at regular intervals, mostly used in power supplies.

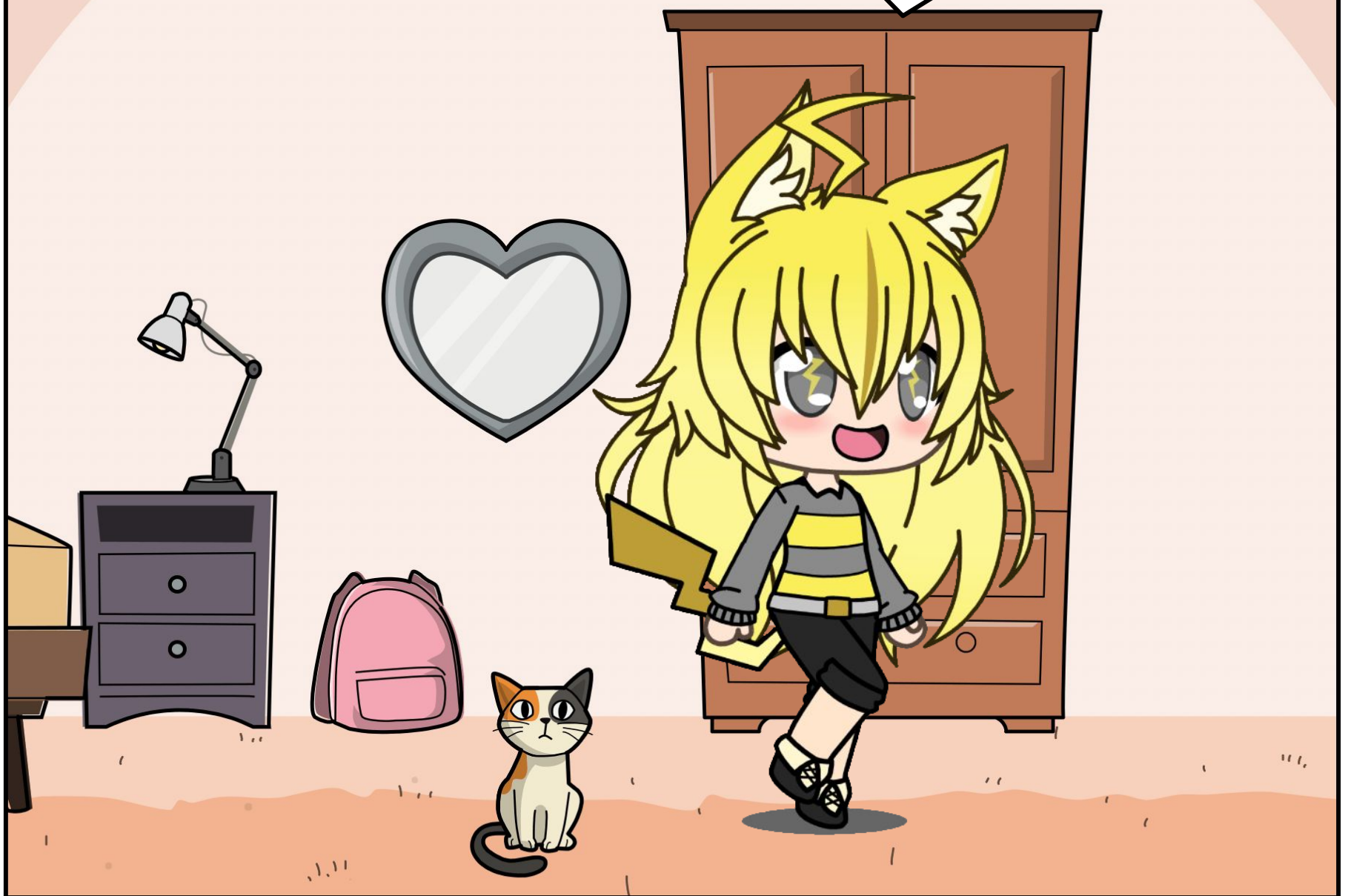
And a direct current is an electric current flowing in one direction only.



That's all you have to know about electricity. Now let's talk about the impact of electricity to us.



The use of electricity impact the way we live a lot. If we don't have electricity, life would be a lot more different. We are not able to work or play on our devices, we can't watch TV, we can't cook on the stove. And we are not able to do a lot of thing that we do with electricity.



Electricity does impact to our environment too. Almost all forms of electricity generation have an environmental impact on either our air, water or land. It can be good impact or bad impact such as pollution, waste and greenhouse gases releasing.



That's all for this comic!



Thank you for reading.

