

What are the different Types of Energy?

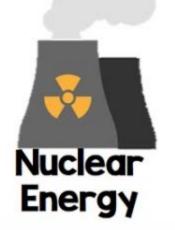




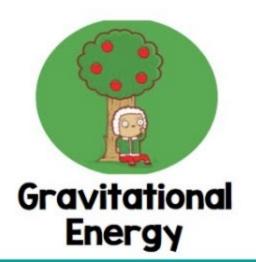




Types of Energy



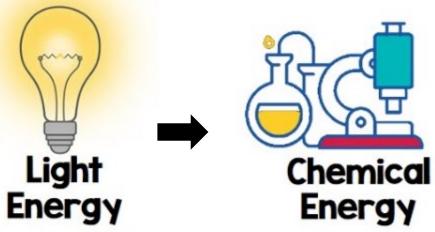




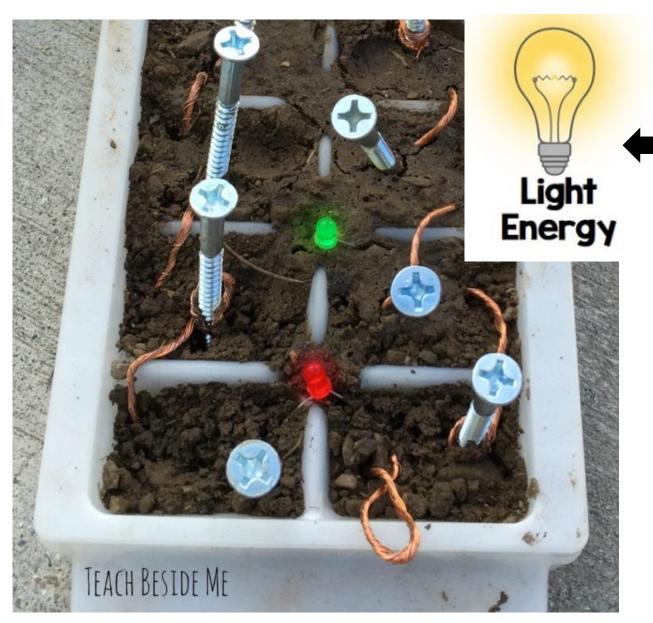


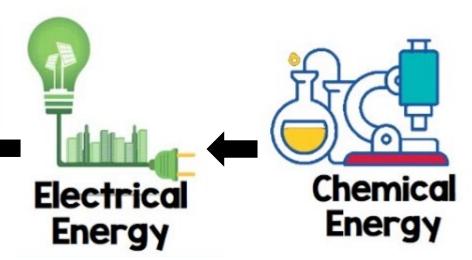
Plants convert light energy into chemical energy







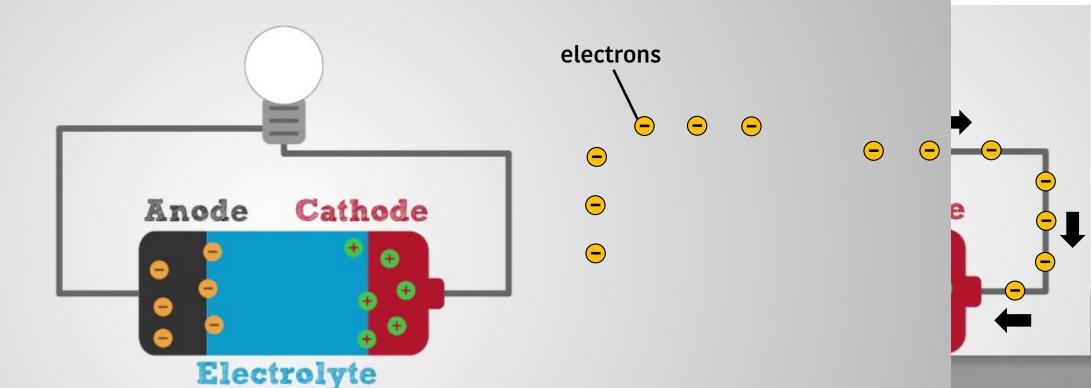




Today we will use chemical energy stored in soils to make electricity and light energy.

This is a soil battery!





tively charged anions and positely charged tions are created in the chemical reaction.



Steps to make a soil battery



1. Mix soil with water + vinegar until soil is wet.



2. Wrap a piece of copper wire twice around a metal screw.



3. Insert the screw in one cup and the copper wire in the next cup.



5. Insert light into starting and ending cup, watch it light up!



4. Repeat until you've gone all the way around, but don't connect your end to your starting cup.







Where do we find batteries?







Where do we find batteries?

Everywhere!

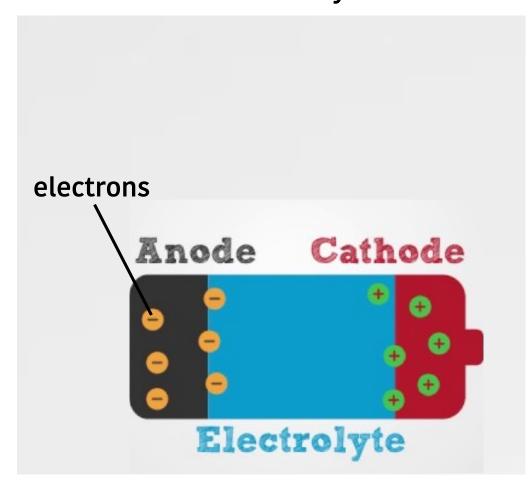




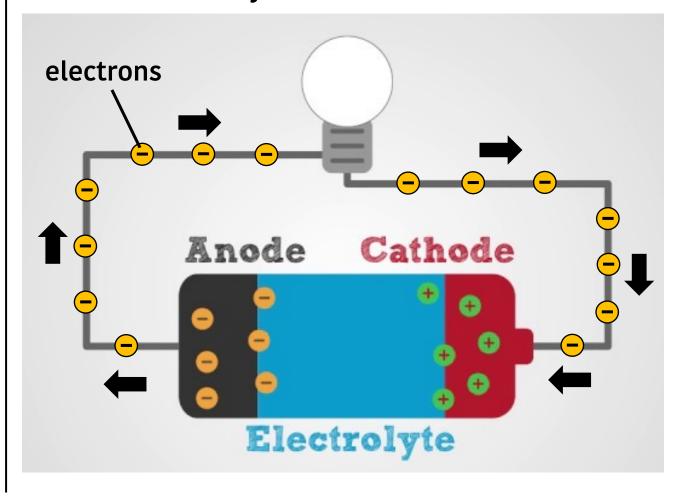


How does a battery work?

Chemical energy <u>stored</u> through chemical reactions when battery not in use.

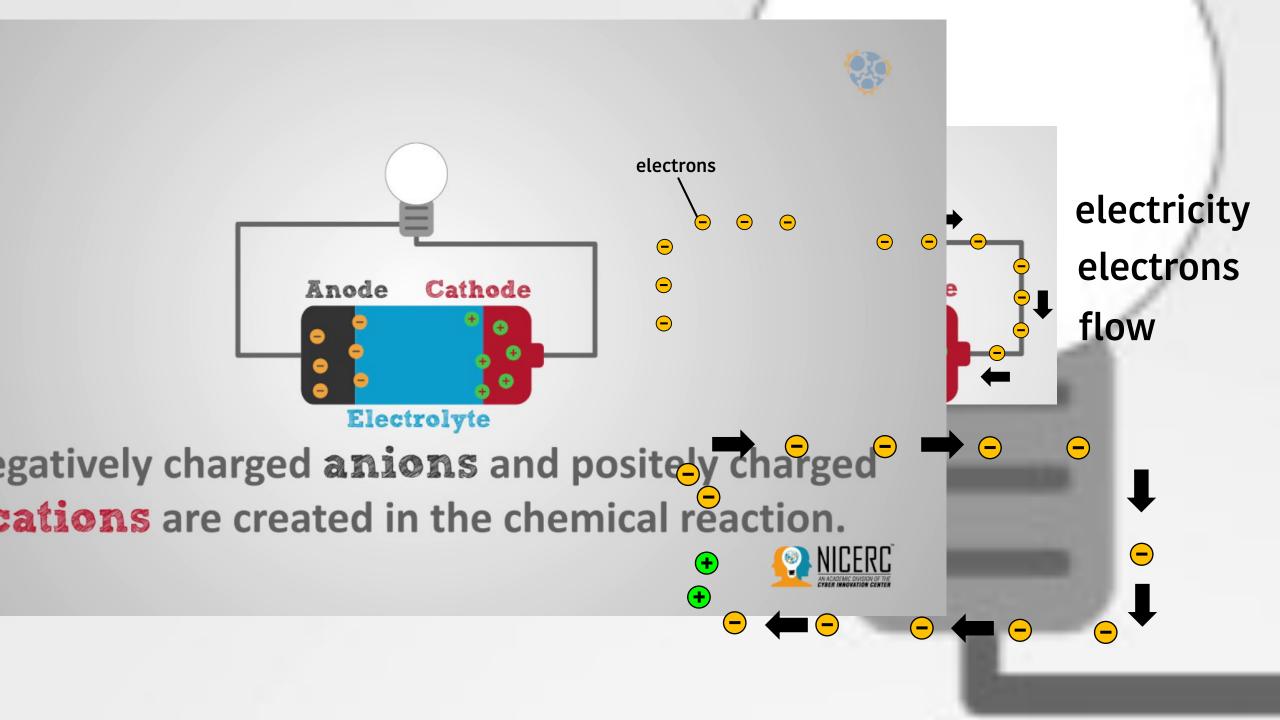


Electricity generated by movement of electrons when battery is connected to a device.



How does a soil battery work?

chemical energy storage soil electrons



How does a soil battery work?

Our soil battery converts <u>stored</u> chemical energy into <u>electricity</u> when we build a path for electrons to flow.

