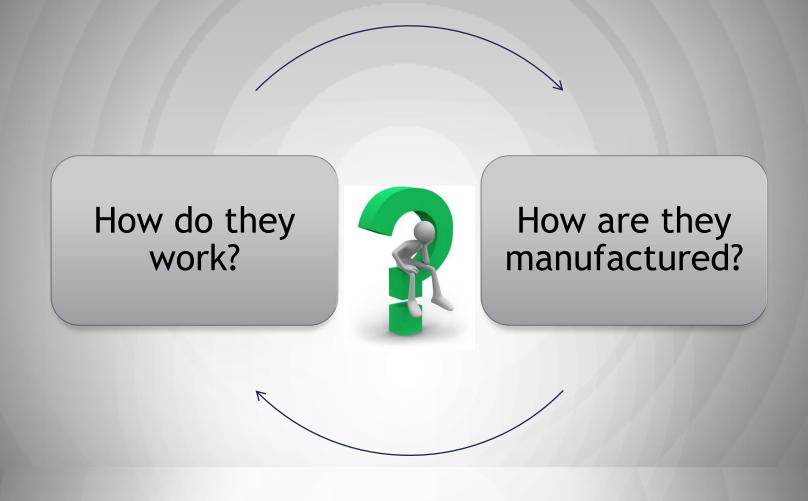
* Power Generators

By: Abdulaziz Al-Harthi

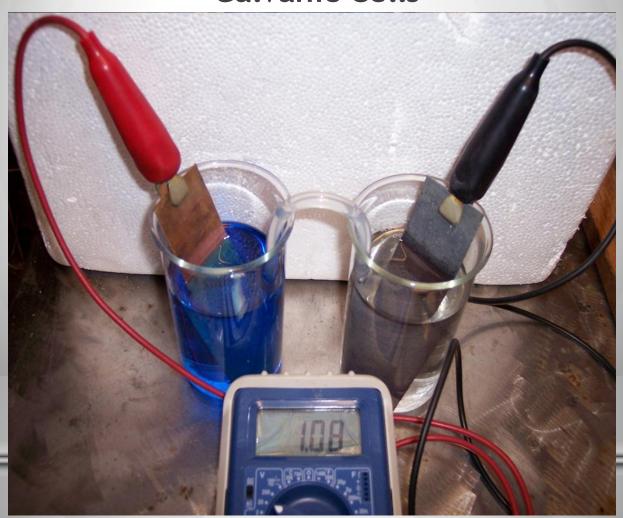


*Power Generators

*Power Generator

- *A device converting some form of energy into an electric energy.
 - *Forms of energy:
 - *Mechanical energy.
 - *Chemical energy.
 - *Heat.
- *Power generators are often called Electric generators.

Galvanic Cells



http://goo.gl/qKqop

Electrochemical Generators



http://goo.gl/RyjBb

MagneToHydroDynamic Generators



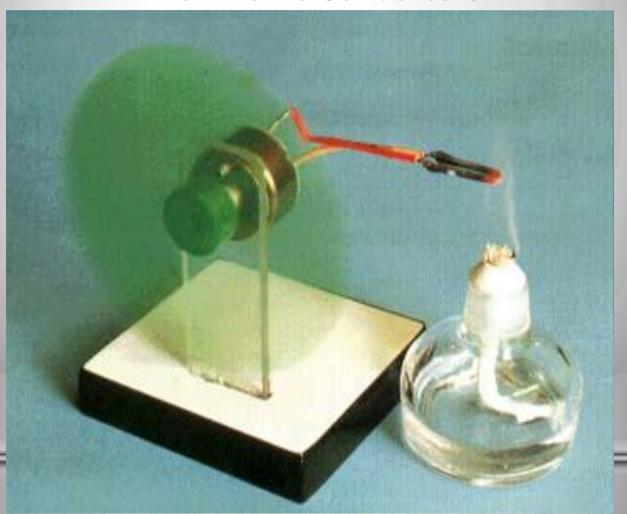
http://goo.gl/Ol9kR

Photovoltaic Converters



http://goo.gl/K1wbZ

Thermionic Converters



http://goo.gl/ixOtb

Solar Batteries

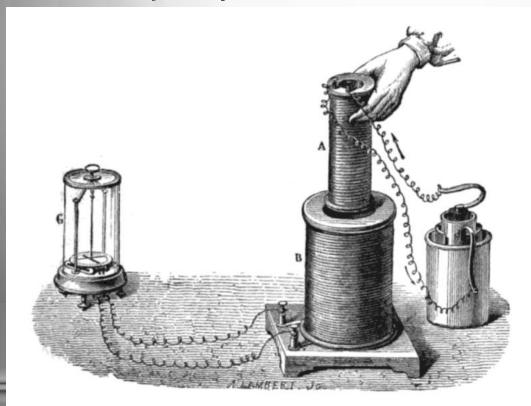


http://goo.gl/UZzQ2

*Work Principle

*Michael Faraday 1791-1867

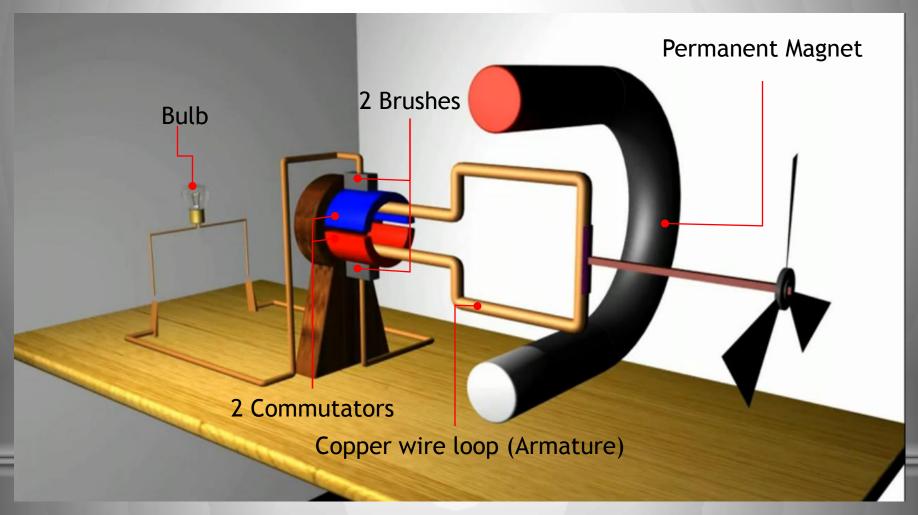
- *Discovered Electromagnetic Induction in 1831.
- *Did many experiments to demonstrate induction.





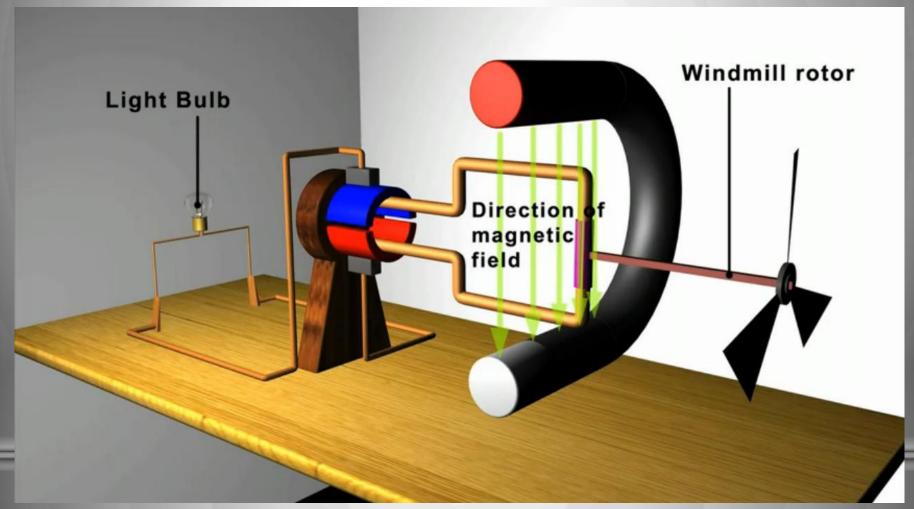
Various, H. W. O. (2012, Jan 20). Wikipedia. Retrieved from http://en.wikipedia.org/wiki/Michael_Faraday

*Power Generator, Work Principle



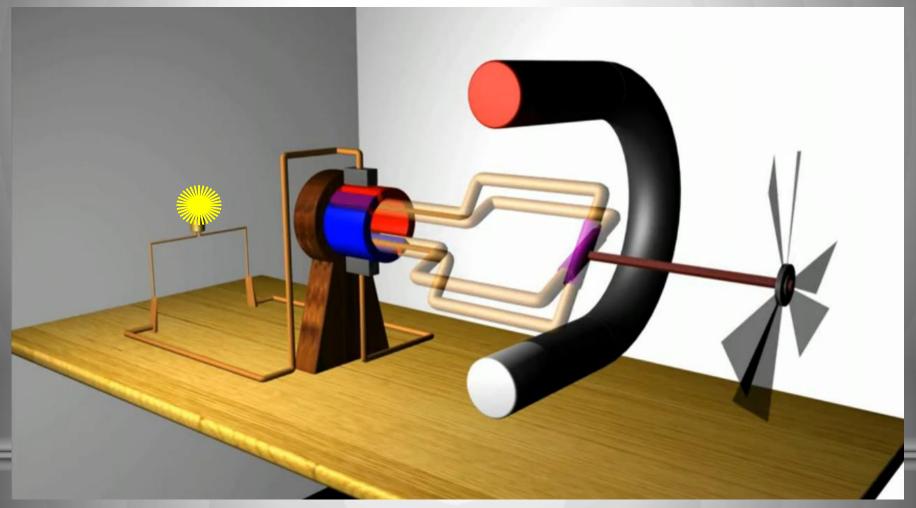
http://goo.gl/K8gEj

*Power Generator, Work Principle



http://goo.gl/K8gEj

*Power Generator, Work Principle



http://goo.gl/K8gEj

*Manufacturing a Power Generator

*Power Generator, Manufacturing.

*http://www.metacafe.com/watch/ 912594/simple_electric_generator/

*Build a simple power (Electric) generator.

- *Power Generator, Manufacturing.
- *CNE International LTd
- *Chinese manufacturer.



CNE manufacturing facility (http://goo.gl/EjciV)



Unwounds corepack



High voltage coils for 2 pole generator



Insertion and connection of the coils



Wound corepack



Completed wound stator

*Production of Rotor fabrication.



*Production of Rotor fabrication.



*Production of Rotor fabrication.











*Other shapes.



*Refernces

- *Hare, J. (n.d.). The creative science center. Retrieved from http://www.creative-science.org.uk/gen1.html
- *http://goo.gl/K8gEj
- *http://goo.gl/Fm36G
- *http://goo.gl/lgquf
- *http://goo.gl/tna6Z
- *Various, H. W. O. (2012, Jan 20). Wikipedia. Retrieved from
 - http://en.wikipedia.org/wiki/Michael_Faraday

If you have a question.. *Ask



Aurora Generators Inc. manifacture http://goo.gl/tna6Z

*Thank hank

You