

Energy Resources & Consumption

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What is energy resources?

Energy resource is a way to get energy so we can have electricity to power things like our TV, computers, phones, and etc.



How Is Energy made?



Energy comes from many different type of things. Wind turbines, burning coal, heat, and many more.

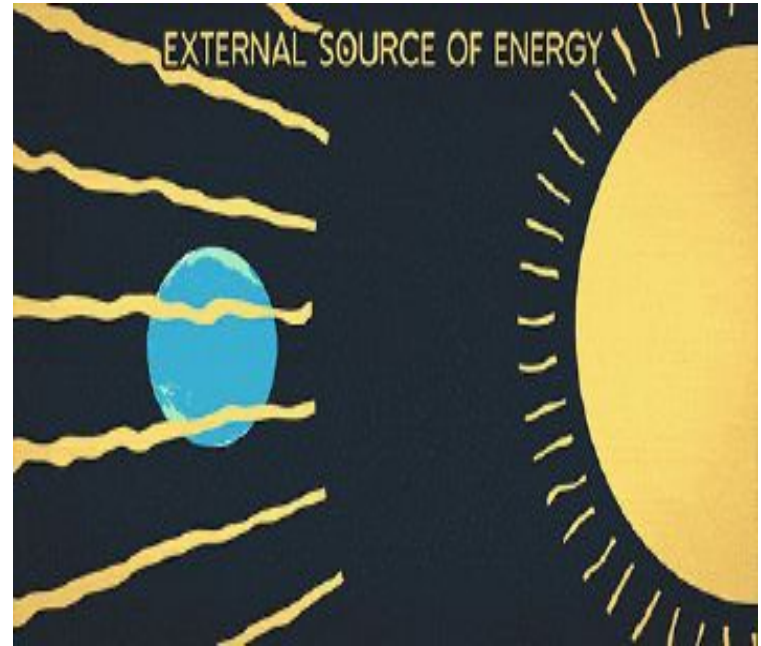
Fun Facts about energy

- The amount of energy Americans use doubles every 20 years.
- 75% of the electricity used to power home electronics is consumed while the products are turned off.
- You only need 10% energy to light up a light bulb.



Solar energy

Solar energy is light and heat from the sun that is converted into thermal or electrical energy. Solar energy is the cleanest and renewable energy source available.

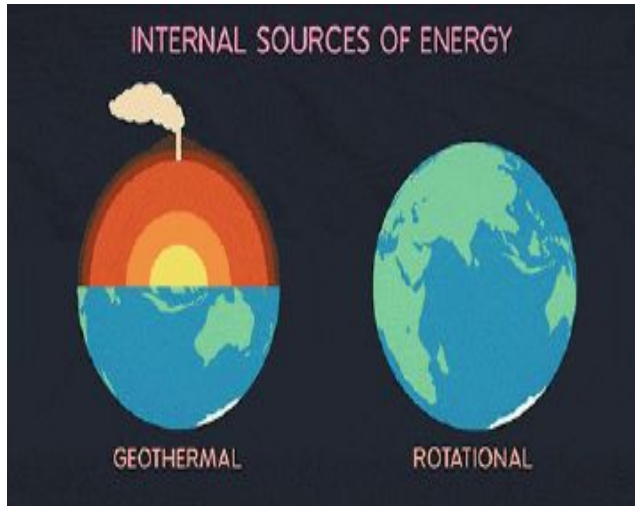


Wind Energy



Wind energy comes from wind power. The wind flows through wind turbines to mechanically power generating energy. This is also renewable energy.

Geothermal energy!



Geothermal energy is heat from Earth. Below Earth's surface there is a layer of hot molten rock. Heat is continuously produced from this layer. Earth's surface contains 50,000 times more energy than all the oil and natural gas resources in the world.

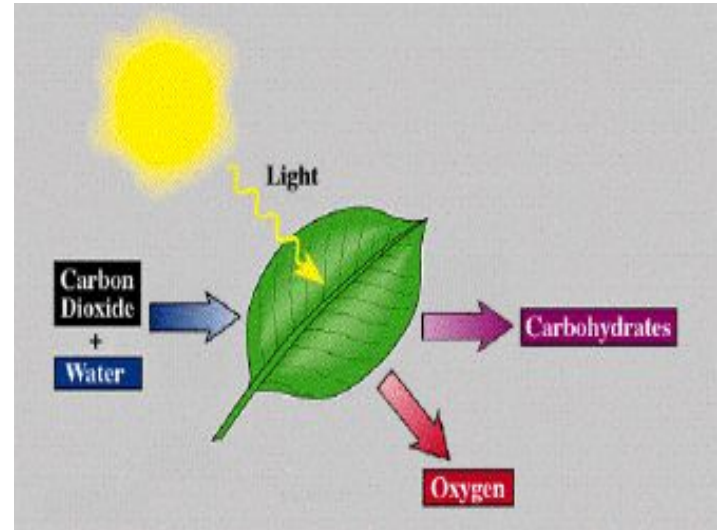
Ocean energy

The ocean produces two types of energy, thermal and mechanical energy from the tides and waves. The ocean covers 70% of the Earth's surface making them the world's largest solar collectors.



Biomass energy

Contains stored energy. Plants absorb energy from the sun through a process called photosynthesis. When biomass is burned the energy is released.



Why is it important?

Energy is everywhere. Everything we eat or do has energy in it. Without it we would not be able to do any of the things that we today. We need energy in order to survive.



http://www.ucsusa.org/clean_energy/our-energy-choices/renewable-energy/how-geothermal-energy-works.html#.VyDaP9OrK2w

<http://www.renewableenergyworld.com/ocean-energy/tech.html>