

RENEWABLE ENERGY

- List 3 surface indications of the presence of geothermal activity
1.) Fumeroles, Mudpots 2.) Hot Springs, Geysers 3.) Volcanoes
- What is geothermal energy? Heat derived from the earth
- What gas is generated from the anaerobic digestion of animal waste?
Methane
- In a photovoltaic solar power plant what is the purpose of the inverter?
Converts DC power to AC power
- How does energy get from a power plant to your home?
Power lines transport the electrical energy to the home
- What material is most commonly used to make a photovoltaic solar cell?
Silicon
- In addition to fire what is the most recent biggest killer of forest trees in Arizona?
Large scale infestation of bark beetles
- What gas is generated from the decomposition of waste material in a landfill? Methane
- What is the major constituent of natural gas?
Methane
- List 2 uses/applications of geothermal energy.
1.) Space Heating/Cooling, Greenhouses 2.) Water Heating, Aquaculture
- What does anaerobic mean? Little or no oxygen
- What does photovoltaic mean? Direct conversion of sunlight to electricity
Air that has been warmed over sun-heated land rises,
- How is wind created? leaving a vacuum in the space it once occupied and
cooler surrounding air then fills the vacuum.
- What are the three basic components of modern wind energy systems?
1.) Rotor 2.) Tower 3.) Nacelle