

Geothermal Energy

1. List 3 surface indications of the presence of Geothermal Activity.

Geysers, Fumaroles, Mudpots, Hot Springs, Volcanoes

2. What is Geothermal Energy?

Heat derived from the earth

3. What are the three different types of Geothermal power plants?

Binary-cycle, Flash Steam and Dry Steam

4. By what two methods does Geothermal heat get to the earth's surface?

1.) Conduction

2.) Convection

5. Give two examples of how civilization used Geothermal Energy in the past

1.) Bathing, Medical Therapy

2.) Cooking, Heating

6. Give two examples of how civilization uses Geothermal Energy today

1.) Space Heating, Water Heating

2.) Aquaculture, Drying

7. What does the word "Geothermal" mean?

Earth Heat

8. What is the Ring of Fire?

Where the earth's tectonic plates collide and one slides beneath the other

9. How much electricity is generated in the U.S. by Geothermal Energy today?

2700 MW

10. Give two advantages of utilizing Geothermal Energy.

Clean, reliable, sustainable and reusable, land conservative, flexible and modular