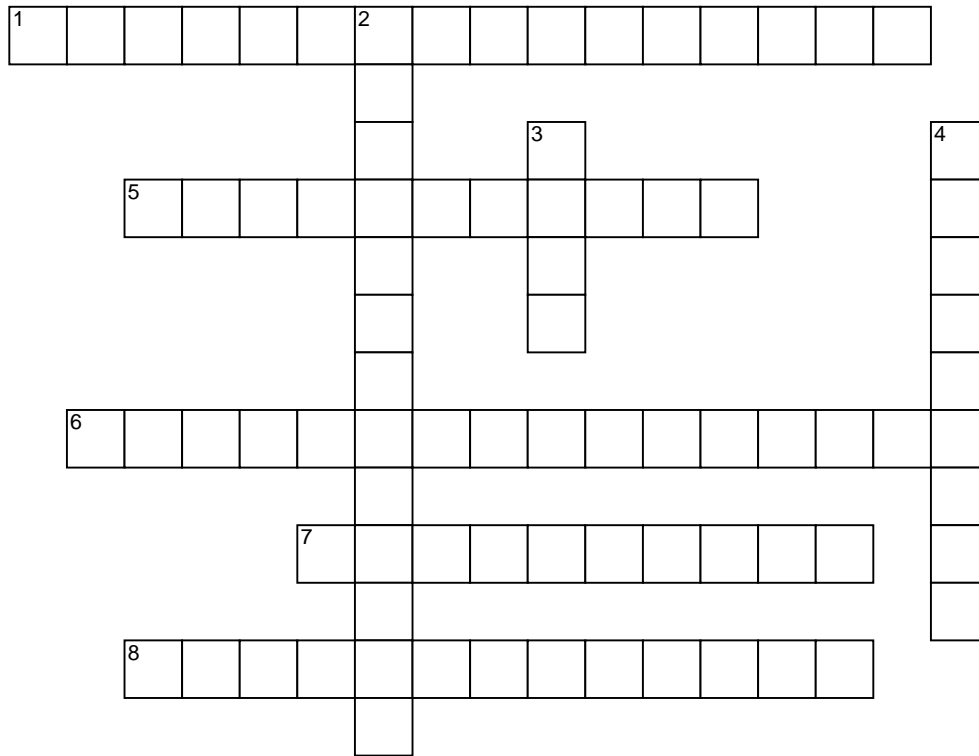




Hydroelectric and Geothermal Generation

Chapter 10



ACROSS

- _____ is the heat from the Earth. It's clean and sustainable.
- The static _____ of a pump is the maximum height (pressure) it can deliver. The capability of the pump at a certain RPM can be read from its Q-H curve (flow vs. height).
- _____ is electricity that is made by the movement of water. It is usually made with dams that block a river to make a reservoir or collect water that is pumped there.
- _____ is a type of hydroelectric power that typically produces from 5 kW to 100 kW of electricity using the natural flow of water. Installations below 5 kW are called pico hydro.
- _____ is a hydroelectric system in which electricity is generated during periods of high demand by the use of water that has been pumped into a reservoir at a higher altitude during periods of low demand.

DOWN

- _____ is a type of hydroelectric generation plant whereby little or no water storage is provided.
- _____ are a barrier that impounds water or underground streams. Reservoirs created by dams not only suppress floods but also provide water for activities such as irrigation, human consumption, industrial use, aquaculture, and navigability. Hydropower is often used in conjunction with dams to generate electricity.
- _____ is a term used for hydroelectric power generation of under 5 kW. It is useful in small, remote communities that require only a small amount of electricity – for example, to power one or two fluorescent light bulbs and a TV or radio in 50 or so homes.