

Steam Power including Geothermal Energy

SPH4C

Geothermal energy is heat generated in the _____ of the Earth by the decay of _____ elements. **Geothermal** _____, deep underground, heat the _____ that seeps down to them.

Geothermal has been used for water and space _____ since Roman times.

For houses and businesses, a _____ pumps water down into the ground (still near the _____) and it returns warmer.

Geothermal is now also used to _____.

Geothermal energy is most easily accessible at _____, which are usually near the edges of _____.

Power plants similarly pump water down into the ground, but on

a _____ and use the super-heated water to turn a _____

A _____ is any _____ engine that turns the energy from a _____ (liquid or gas)

flow into useful work.

The first turbines were _____ and _____ and were used to do jobs such as grind grain into flour.

Modern coal plants _____

to produce steam to turn steam turbines.

Even nuclear plants just use nuclear

_____ rods to produce

steam to turn steam turbines.

