

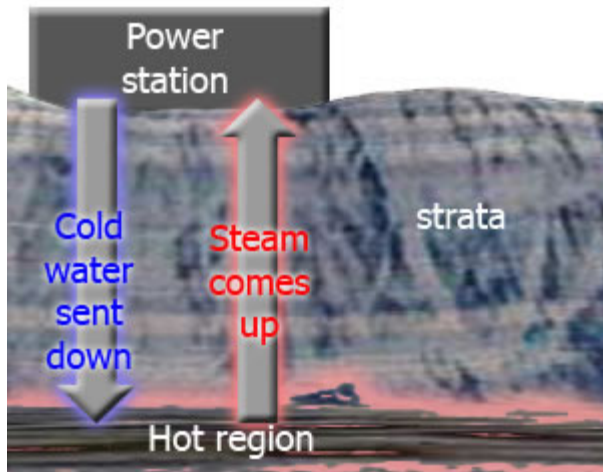
<http://www.darvill.clara.net/altenerg/>

### 1. Introduction

What does mean the word "geothermal"? \_\_\_\_\_

What's the magnitude of temperature elevation when you go down? \_\_\_\_\_

### 1. How it works



### 2. Where can you find geothermal power stations?

## 2. Advantages and disadvantages

Advantages:	Disadvantages:

## 2. Summary

- Geothermal energy means getting heat from hot rocks underground
- Hot water comes up out of the ground, and we use the heat to make steam to drive turbines, or to heat houses.
- We may have to pump water down first, or it may come up anyway
- Renewable - so long as we don't take out too much, the energy keeps on coming
- Not many places you can do it - the rocks must be suitable
- Sometimes we get poisonous gases coming up too

## Quiz:

Geothermal power means getting \_\_\_\_\_ from \_\_\_\_\_ rocks underground. This is \_\_\_\_\_ so long as we don't take too much energy out and cool the rocks too much.

Hot \_\_\_\_\_ comes up out of the hole we've drilled and usually "flashes" into \_\_\_\_\_. This can drive turbines and generators, to make \_\_\_\_\_.

At some sites we have to \_\_\_\_\_ water down, at others hot water comes up anyway. Sometimes poisonous \_\_\_\_\_ come up too.

Geothermal power can occasionally be unreliable, and there are not many suitable **sites** because there needs to be the right type of \_\_\_\_\_ at a \_\_\_\_\_ we can reach, underneath rock which isn't too hard to \_\_\_\_\_ through.