

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

1. Introduction

How long have we used hydroelectric power? _____

What has it been used for? _____

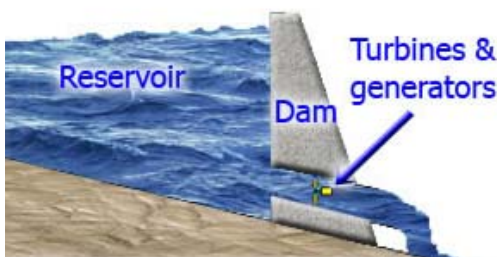
1. How it works

Tidal barrage



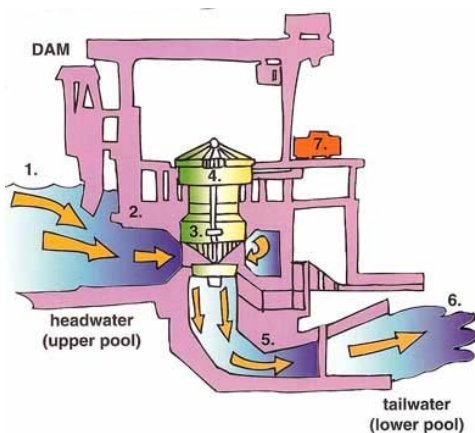
Where does the running water come from?

Explain how it works



Flowing water

Explain how it works



2. Advantages and disadvantages

Advantages:	Disadvantages:

2. Summary

- Hydro-electric power means getting energy from flowing water
- Usually we build a dam, and let the water turn turbines & generators as it goes through pipes in the dam
- Renewable
- No pollution, no fuel needed, no waste
- Expensive to build
- Building a dam means flooding a lot of land

Quiz:

Hydroelectric power means using _____ water. Nowadays this turns a turbine which runs a _____ to make electricity. This can be done with a water wheel and a fast-flowing stream, but a modern _____ power station has a huge _____ which creates a deep _____, which stores lots of _____ potential energy in the water so it flows fast through the turbines.

The _____ dam on the Colorado river in the USA provides _____ for the city of Las Vegas.

Hydroelectric power is _____, needs no _____ and produces no _____. However, the dams are _____ to build and you need to _____ a large area to create the lake, with environmental consequences.