I AM HYDRA, AND I COME FROM THE HYDRAULIC WORLD!

In my world, we get energy thanks to hydropower. It can be used in your world, too!

Hydropower is produced using the strength of the movement of the water. This energy is used to produce electricity. The process is simple:

- A dam is built on the river. This stops the water from passing through, forming a large lake called a reservoir.
- When the dam gates are opened and the water's released through large pipes, it turns some very large wheels known as waterwheels. As these waterwheels turn, they produce electricity.

There are 3 types of Hydropower Plants:

- Hydropower Reservoir Water Plants: they can store a lot of water. They collect water from the rain and from the rivers, and then use it to produce electricity, provide water to cities and towns, water the countryside and for airplanes and helicopters to collect water to put out fires.
- Hydropower plants and Pumping Reservoir Water Plants: these plants must have two reservoirs. Electricity is produced and sold during the day, and during the night, the water is pumped from one reservoir to another, allowing the water to be reused.
- Hydropower Flowing Water Plants: these plants don't store water. It flows through directly to produce electricity and, if this isn't the case, it's returned to the river to continue its journey.

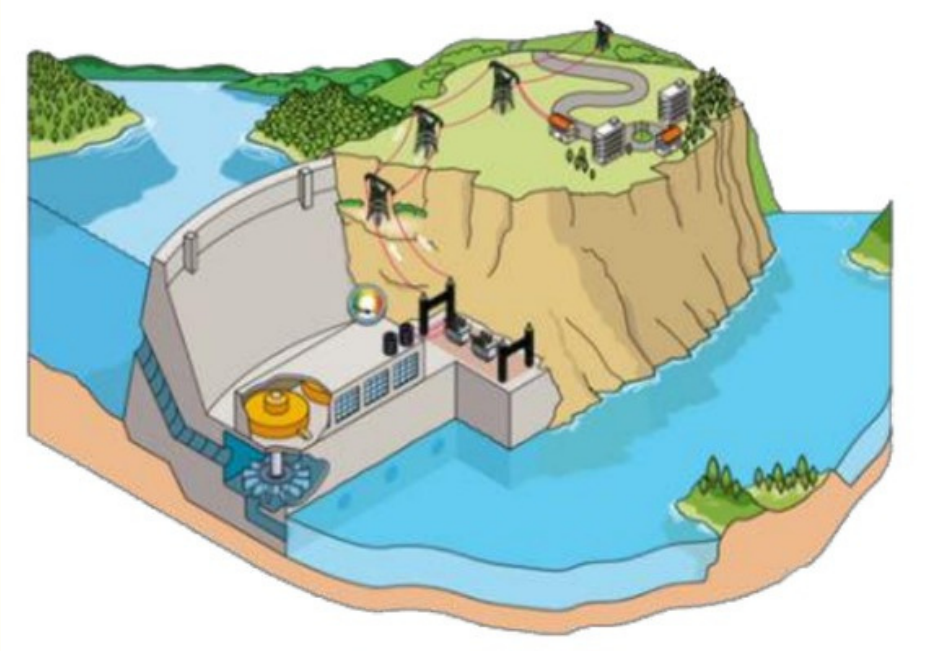
DID YOU KNOW...

... reservoirs produce around 20% of the world's electricity?

... reservoirs tend to have recreational areas, making them the perfect place to spend the day with your family and friends?

1.PUT THE PARTS OF A PLANT IN THE RIGHT PLACE. JOIN THEM WITH ARROWS:

River / Reservoir / Turbines / Electricity



2. WE'RE ALMOST THERE! BEFORE YOU FINISH, PROVE YOU'RE A HYDROPOWER EXPERT! FILL IN THE GAPS:

Hydropower is produced using the strength of the movement of the_____.

This energy is used to produce _____.

A dam is built on the river. This stops the water from passing through, forming a large lake called a _____.

When the dam gates are opened and the water flows through some large pipes, it makes some very large wheels turn. These are called _____. When these waterwheels turn, they produce_____.

When these waterwheels turn, they produce_____.