

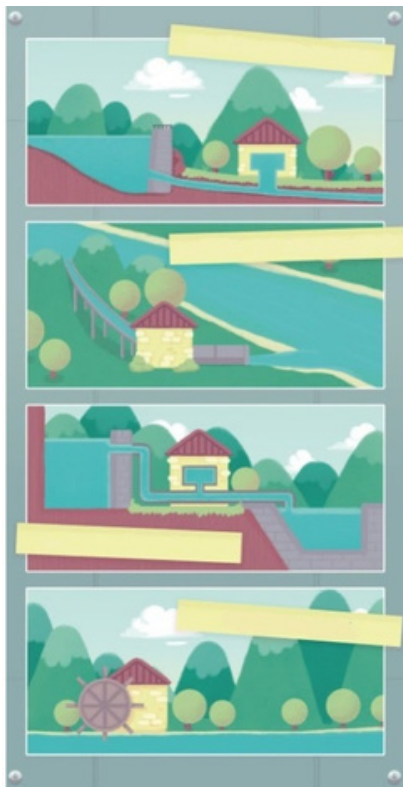
HYDROPOWER ENERGY

1. HYDROPOWER ORIGINATES FROM THE "WATER CYCLE". EXPLAIN WHAT IT INVOLVES:

2. ARE THE FOLLOWING STATEMENTS CORRECT?

- Hydropower plants produce lots of carbon dioxide when functioning.
- The main use for hydropower is currently to obtain electricity.
- Due to the water cycle, the availability of hydropower is almost inexhaustible.
- Hydropower is the energy that produces toxic emissions when functioning.
- Hydropower is obtained from the potential and kinetic energy of bodies of water.

3. IDENTIFY WHICH TYPE OF HYDROPOWER PLANT CORRESPONDS TO EACH OF THESE DRAWINGS. THEN DRAW ARROWS TO MATCH THEM TO THE CORRECT DESCRIPTION:



These are the most common plants. The water carried by rivers is stored in a reservoir and released when needed to produce energy.

They take advantage of the natural slope of the river. These are the only ones that don't have a reservoir.

These plants have two reservoirs and consume energy when the electrical consumption is low, to carry the energy to a larger reservoir and then release it when the electrical consumption is high.

Hydropower has been used for centuries. The first data go back to the 1st century BC. They were used to avoid humans and animals from doing the physical work.