

Name: \_\_\_\_\_

## Energy sources: Water



Electricity that is produced using the force of water, is called hydroelectric power. The geographical characteristics of the flow of some rivers allows them to be dammed to produce renewable electricity.

### Hydroelectric power station

A hydroelectric plant is a system that consists of three parts: a large lake, a dam that can be opened or closed to control the passage of water, and a power plant that produces electricity. As water flows through an opening, pressure builds up against enormous turbines which causes them to rotate large generators that produce electricity.



### Advantages and disadvantages

This energy source is clean and is renewed every year through thawing and rainfall. However, dam construction always negatively affects the ecosystems where they are installed because they flood large areas of land and change the flow of the rivers.

**Answer the questions the following questions:**

1. What is the name of the energy produced by the force of water?

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2. What are the three parts of the system of a hydroelectric power plant?

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3. Name two advantages of hydroelectric power.

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4. Name two disadvantages of hydroelectric power.

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5. Explain how a hydroelectric plant works.

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