



Cambridge 14 test 3 task1 model answer

The **illustration** shows the process behind the production of electrical energy in a hydroelectric power station.

An overview of this image tells us that this is a **two-fold process**. The plant consists of two dams- one at a higher altitude and another at the lower end. During the day the plant produces electricity and by evening, it uses a part of its power to pump water back into the higher dam.

Throughout the day, a large volume of water flows from the high-level reservoir to the turbine located at the lower end of the power plant. The force of the **liquid** turns the **blades of the turbine**, which in turn, **powers** the generator. Thus, producing electricity, which is then sent to the **national grid** using electrical cables. Furthermore, the **spent water** is collected in a dam at a lower ground level.

*Thus, the process produces electricity, which is then sent to the national grid using electrical cables.*

During the night, the turbines run in the opposite direction and pump the fluid back into the high-level reservoir. Hence, the generator works as a motor that assists in this transfer. This **cycle continues** and keeps generating electrical energy.

By Asklearning