

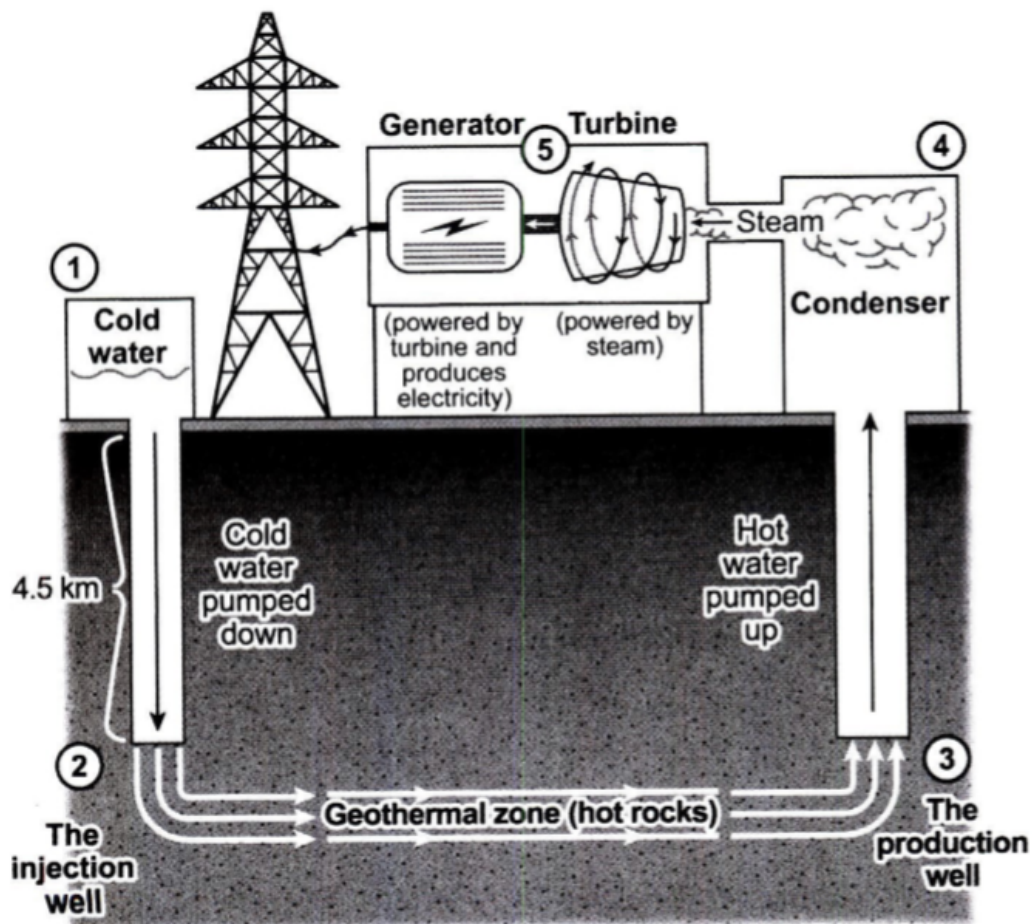
The diagram below shows how geothermal energy is used to produce electricity.

Summarise the information by selecting and reporting the main features, and make comparisons where relevant.

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Write at least 150 words.

Geothermal power plant



The figure presents the process of producing electricity by benefiting from natural energy, that is the heat of the earth.

At first look, it can be obviously seen that the operation of generation of electrical power totally includes five different steps. Firstly, cold water is pumped from the tank into the injection well which flows down water into the 4.5 km depth of the earth. When, after that, passing through the geothermal zone, the cold water will be heated up by using the natural energy. Now, the water is hot enough to be pumped out of ground through the production well which is considered step three. Coming up from the earth depth into condenser, the hot water is now changed/converted into steam due to pressure difference, and thereafter high-pressure-steam finds its way into the final step where there is the turbine and generator. In this step, the turbine will have circular movements by virtue of steam power, thereby powering the generator up, and subsequently electricity will be produced.

Overall, the diagram concerns the way of green-generating-electricity by taking advantages from-of nature and using the natural thermal energy which is found 4.5 km down in the earth to convert water into water vapour in order for rounding the turbine to power the generator.