

Englisch Homework

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Book p.57, P2, b)

The process of converting solar energy (= light + heat) to electrical energy is quite simple. To do some converting the basic things you need are:

- the sun
- parabolic mirror
- oil/water pipes
- a heat exchanger
- a generator

First the sun rays get reflected and concentrated to an pipe with circulating oil py a parabolic mirror. The concentrated sun rays are heating the oil in the pipe. That hot oil circulates/flows through an heat exchanger. The heat exchanger transfers the heat of the oil to the water which circulates itself.

The hot water gets piped through the generator, which converts the heat to electrical energy. The electrical energy is getting feed to the electricity grid.

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