Investigating Renewable Energy
What happens at a Solar Power Plant?

The diagram below shows a solar power plant. Use the description labels and arrows on the next page to show what happens at the different parts of the power plant.
Large mirrors reflect sunlight onto a receiver.

The high pressure steam turns the blades of a turbine.

Hot fluid is pumped down the tower for storage, when required the heat energy from the fluid is transferred to liquid water, creating high pressure steam.

The generator converts the spinning motion of the turbine into electricity.

The energy from the sunlight is absorbed by a fluid – such as molten salts – warming the fluid to 500 degrees Celsius.