

**Figure 10.3.13.**  
**Using solar energy**

**Database:** Global Strategies and Solutions

**Link type:** facilitates strategies

**Network nodes:** 130

**UIA database:** <http://db.uia.org/scripts/sweb.dll/uiaf?DD=ST&CL=2&DR=S0830>



Employing devices that convert sunlight and its heat into usable forms of energy. Solar electricity is a direct electrical current generated in a silicon cell by impacting sunlight. It can be used and stored for many normal electrical applications. Solar heat energy can be used passively for simple warming or the energy can be concentrated by flat plate collectors which expose a large thin surface, containing a liquid, to the sun. The sun's heat can be intensified with lenses and mirrors and stored in salts and/or stones. At high temperatures it can generate steam for mechanical applications. When appropriately trapped it can cook food.