



*Try these simple experiments in your class to demonstrate concepts like global warming and how renewable energy sources work. You can do these activities in one class period using readily available resources.*

### Solar Energy

1. Solar Cooker: <http://www.geocities.com/thesciencefiles/solar/cooker.html>
2. Solar Balloon: <http://www.geocities.com/thesciencefiles/solarenergy/page.html>
3. Solar Water Heater: <http://www.miltonhydro.com/te4.html>
4. Other various simple solar energy experiments:  
[http://www.stanwell.com/PDF/SOLAR\\_ENERGY\\_EXPERIMENTS.PDF](http://www.stanwell.com/PDF/SOLAR_ENERGY_EXPERIMENTS.PDF)

### Hydroelectric Energy

1. Build a Water Turbine: <http://www.energyquest.ca.gov/projects/turbine.html>
2. Study Water's Effect on a Wheel:  
[http://www.sustainableenergy.qld.edu.au/activity/activity9\\_1.html](http://www.sustainableenergy.qld.edu.au/activity/activity9_1.html)

### Wind Energy

1. Build a Wind Turbine: <http://www.windpower.org/en/kids/choose/rotor/model.htm>
2. Examine the Design of a Turbine:  
[http://www.sustainableenergy.qld.edu.au/activity/activity8\\_2.html](http://www.sustainableenergy.qld.edu.au/activity/activity8_2.html)

### Global Warming

1. Simulate Global Warming:  
[http://www.sustainableenergy.qld.edu.au/activity/activity1\\_1.html](http://www.sustainableenergy.qld.edu.au/activity/activity1_1.html)

### Other Sustainable Living Experiments

<http://www.sustainableenergy.qld.edu.au/html/factsheets.html>