

## Exploring Photovoltaics: Secondary Level

**Objectives:** As a result of this lesson, students will understand how solar energy can generate electricity, how to create complete circuits, the difference between series and parallel circuits, and the factors that can affect the electrical output from a PV panel such as light intensity.

**This unit focuses on how solar energy is used to generate electricity. The student informational text has information on photovoltaic cells, concentrated solar power, and emerging solar technologies.**

**This kit includes:**

- PV cell kits
- Multimeters
- Fresnel lenses
- Alligator clips
- Teacher Guide
- Student Guides

**Additional Equipment Needed:**

Lights (or sun)



\*To replenish any materials used, lost or broken during classroom use, check craft, hardware, or hobby stores. For more information or to purchase this kit, visit [NEED.org](http://NEED.org)