

Chapter 13 Web Resources

Module 38: Biomass and Water

Teaching Tip: Video (p. 444)

Chemists Patent New Formula for Cleaner, Cheaper Diesel Fuel, Science360

Run time: 3 minutes 18 seconds

<http://science360.gov/obj/video/94afae06-0ffb-49db-b79e-60bab01f54dc/chemists-patent-new-formula-cleaner-cheaper-diesel-fuel>

This video discusses how scientists have worked towards developing an improved diesel fuel.

Module 39: Solar, Wind, Geothermal, and Hydrogen

Teaching Tip: Video (p. 453)

How Solar Panels Work, Science 360

Run time: 3 minutes 56 seconds

<http://science360.gov/obj/video/83d67b75-f6f5-43e6-bbef-8c8b9d9584c1/solar-panels-work>

This animated video shows how photovoltaic cells work.

Teaching Tip: Video (p. 454)

Energy 101: Wind Turbines—2014 Update, U.S. Department of Energy

Run time: 3 minutes 16 seconds

This video describes how wind turbines work, and promotes the Energy Department's new offshore wind power program.

<http://www.energy.gov/eere/videos/energy-101-wind-turbines-2014-update>

Teaching Tip: Video (p. 456)

Energy 101: Geothermal Energy, U.S. Department of Energy

Run time: 3 minutes 47 seconds

<http://www.energy.gov/eere/videos/energy-101-geothermal-energy>

This video explains the basic principles behind geothermal energy and how it can be used.

Teaching Tip: Video (p. 456)

Energy 101: Geothermal Heat Pumps, U.S. Department of Energy

Run time: 2 minutes 32 seconds

<http://www.energy.gov/eere/videos/energy-101-geothermal-heat-pumps>

This video explains the science behind geothermal heat pumps, and how they can provide energy-efficient heating and cooling.

Teaching Tip: Video (p. 457)

Energy 101: Fuel Cell Technology, U.S. Department of Energy

Run time: 4 minutes 5 seconds

<http://www.energy.gov/eere/videos/energy-101-fuel-cell-technology>

A video on how hydrogen fuel cells work, and their many potential applications.
