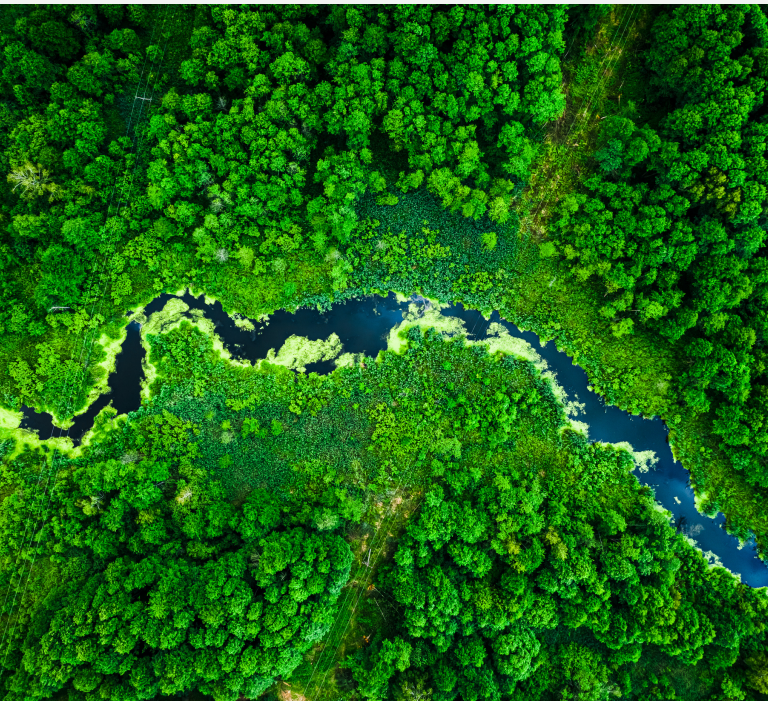


BIOLOGY

QUICK-START GUIDE



Biology lessons and activities at a glance: labs, readings, and data activities on energy transformations, ecosystems, and impacts. Built to connect energy to life science while saving you planning time.

FREE + EDITABLE

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BIOLOGY

LESSON	ACTIVITY
Introduction to Energy	Watch the video and complete the data set to explore energy basics.
Introduction to Energy Choices	Evaluate energy choices and their impacts on ecosystems.
Introduction to Indoor Air Pollution	Use the complete lesson to understand sources and biological impacts of indoor air pollutants.
Introduction to Environmental Impacts	Explore cause-and-effect relationships of biological and ecological impacts.
Understanding Energy Transformations	Use the flow chart activity to understand how energy changes from light energy into stored chemical energy.
Energy Sources Activity Stations	Analyze pros and cons of energy sources, including their biological and ecological impacts.
Cleaning Up an Oil Spill Investigative Lab	Design and test oil spill cleanup methods in a hands-on engineering lab. Extend with a lesson on bioremediation.
Thermal Transfer Investigative Lab	Explore the flow of energy and heat transfer through this investigative lab.
Science of Coal	Complete the Extended Reading and comprehension questions on coal formation and environmental effects.
Science of Energy Storage	Complete the Reading and discuss how chemical reactions and electric charge enable storage.
Science of Electricity	Complete the Extended Reading and discuss how electromagnetic induction moves energy through the grid.
Science of Solar	Investigate how light energy transforms into usable electricity.
Developing Media Literacy	Introduce media literacy fundamentals through researching energy topics.