



# Affordability, Efficiency, and Safety

**Activity:** Affordability, Efficiency, and Safety

**Category:** Group Activity/Research Project

**Series:** Technology Breakthroughs (The 12 Biggest Breakthroughs in Energy Technology)

## Supplies

None

## Prep

Go to [12storylibrary.com](http://12storylibrary.com) and select a few Editor Picks articles. Break students into groups so there is one group per article.

## Directions

Pass out an article to each group. Explain why the concepts of affordability, efficiency, and safety for people and the environment matter energy sources. Then ask students to underline or circle any place where affordability, efficiency, and safety issues are mentioned in their article. Once they've looked closely at those areas, ask each group to tell the class if the energy technology in their article is strong or weak in each of those areas, and why. Based on those three points, would they recommend it as a good source of energy? Have them explain why or why not.

## Evaluation

Were the students able to refer to examples and draw inferences from the text? Were they able to explain the relationships between affordability, efficiency, and safety in their evaluation of the energy technology? RI 4.1, 5.3

## Purpose

To help students compare multiple aspects of a technology and to use those findings to evaluate the technology.