



What form of energy did the earliest people use for heat and cooking?

What are some modern uses of energy?



What would happen if there were no energy resources?

What would you miss most if you had no electricity for a day?



Why does the book call electricity the most important form of energy?

How have you used electricity so far today?



What is the relationship between atoms and electricity?

What is the difference between renewable and nonrenewable resources?



Energy Resources ::|· Electrical Energy

What is the total percentage of U.S. energy needs that are met with nonrenewable resources?

Science a-z.com (analyzing)

Energy Resources ::|· Nonrenewable Resources

What are three types of fossil fuels?

Science a-z.com (remembering)



Energy Resources ::|· Nonrenewable Resources

How do fossil fuels form?

Science a-z.com (applying)

Energy Resources ::|· Nonrenewable Resources

Why are fossil fuels considered to be nonrenewable?

Science a-z.com (understanding)



Energy Resources ::|· Energy from Crude Oil

What are some products that are made from crude oil?

Science a-z.com (remembering)

Energy Resources ::|· Energy from Crude Oil

How would you describe the current supply of oil in the world?

Science a-z.com (analyzing)



Energy Resources ::|· Energy from Coal

Why might a community use coal as their main fuel and electricity source?

Science a-z.com (applying)

Energy Resources ::|· Energy from Coal

How would you describe the current supply of coal in the world?

Science a-z.com (analyzing)



Energy Resources ::|· Energy from Natural Gas

If you find natural gas under ground, which other fossil fuel are you likely to find with it?

Science a-z.com (remembering)

Energy Resources ::|· Energy from Natural Gas

What are some uses for natural gas?

Science a-z.com (understanding)



Energy Resources ::|· Pollution and Global Warming

How does burning fossil fuels contribute to global warming?

Science a-z.com (analyzing)

Energy Resources ::|· Pollution and Global Warming

What is the greenhouse effect?

Science a-z.com (understanding)



Energy Resources ::|· Pollution and Global Warming

Do you feel that the benefits of using fossil fuels outweigh the drawbacks?

Science a-z.com (evaluating)

Energy Resources ::|· Energy from the Atom

How does a nuclear reactor release the energy in atoms?

Science a-z.com (understanding)



Energy Resources ::|· Energy from the Atom

How widespread is the use of nuclear power worldwide?

Science a-z.com (remembering)

Energy Resources ::|· Nonrenewable Resources Chart

Why does the world rely so heavily on nonrenewable resources?

Science a-z.com (understanding)



Energy Resources ::|·

Nonrenewable  
Resources Chart

What are some dangers  
workers face as they help obtain  
nonrenewable resources?

Science a-z.com

(applying)

Energy Resources ::|·

Nonrenewable  
Resources Chart

In your opinion, should the world  
use more or less nuclear energy?

Science a-z.com

(evaluating)



Energy Resources ::|·

Renewable Resources

Can a renewable resource run  
out? Explain why or why not.

Science a-z.com

(understanding)

Energy Resources ::|·

Energy from Biomass

What is the most widely used  
source of biomass? Why?

Science a-z.com

(remembering/analyzing)



Energy Resources ::|·

Energy from Biomass

What are some sources  
of biomass, besides  
wood, in your local area?

Science a-z.com

(applying)

Energy Resources ::|·

Energy from the Sun

What are two ways in  
which the Sun's energy can  
be used to make electricity?

Science a-z.com

(remembering)



Energy Resources ::|·

Energy from the Sun

If a building's electricity comes  
from solar energy, what happens  
on cloudy or rainy days?

Science a-z.com

(understanding)

Energy Resources ::|·

Energy from the Sun

Would your local area be a good  
place to rely on solar energy?  
Why or why not?

Science a-z.com

(applying)



Energy Resources ::|:|·

Energy from Wind

What causes wind?

Science a-z.com

(understanding)

Energy Resources ::|:|·

Energy from Wind

How do people turn wind into electricity?

Science a-z.com

(understanding)



Energy Resources ::|:|·

Energy from Wind

Where would you build a wind farm? Why?

Science a-z.com

(analyzing)

Energy Resources ::|:|·

Energy from Moving Water

How can water be used to generate electricity?

Science a-z.com

(understanding)



Energy Resources ::|:|·

Energy from Moving Water

Why can hydroelectricity be used in so many parts of the world?

Science a-z.com

(understanding)

Energy Resources ::|:|·

Energy from Moving Water

How does putting up a dam change the surrounding area?

Science a-z.com

(analyzing)



Energy Resources ::|:|·

Energy from Inside Earth

What kind of energy comes from within Earth?

Science a-z.com

(remembering)

Energy Resources ::|:|·

Energy from Inside Earth

How do people tap into the heat within Earth and use it for energy?

Science a-z.com

(understanding)



For which renewable resource do you feel the pros most outweigh the cons?

How are some renewable resources similar to fossil fuels?



Should renewable energy sources be used, even if they are more expensive than fossil fuels? Why or why not?

How might energy usage change in the future?



Is it more important to conserve the energy we have or to develop new energy sources? Why?

What are some ways you can conserve energy?



What other types of energy sources can you think of for the future?