

Energy

Summary

Heat moves from warm places to cool places. Heat comes from many things. Light is a kind of energy. Energy can change things. Light comes from the Sun and many other things. Light passes through some things. Some things block light. When light is blocked, a shadow is made. Shadows change when a light moves. Shadows also change when the Sun is high or low in the sky. Energy comes from many things. Fuel, such as gasoline, is burned to make heat or power. Energy from electricity moves from power lines to a plug. A battery stores energy. Wind has energy. People need energy, too. People get energy from food.

Before Reading

Take a Picture Walk

Build background for the book by taking a picture walk with children. Discuss the pictures and preview the key vocabulary and concepts. Invite children to name kinds of energy they know.

Vocabulary

battery, electricity, energy, fuel, heat, shadow

Comprehension Skill: Draw Conclusions

Say: We can use what we already know to draw a conclusion about something. What kind of energy does a lamp need? A car?

During Reading

Think Critically

Have children answer the *What Did You Learn?* questions located on the inside back cover of their book.

1. **What is the difference between a shadow when the Sun looks high in the sky and a shadow when the Sun looks low in the sky?** When the Sun is high in the sky, shadows are short. When the Sun is low in the sky, shadows are long.

2. **How can an electrical toy get the electricity it needs to work if it does not have a plug?** An electrical toy can get electricity to work from a battery. A battery stores energy.

After Reading

Writing in Science

Energy in a house comes from many things. Write to tell about different kinds of energy found in a house. Use words from the book as you write.

Organize Information

Graphic Organizer: Draw Conclusions
Have children complete the Draw Conclusions chart on the BLM for this Leveled Reader to draw a conclusion about what you need to do to feel better if you are tired and grumpy and haven't eaten all day.

Related Resources

Vocabulary Cards	Equipment Kit
Every Student Learns	Activity Flipchart
Quick Study	LabZone
Big Book of Science Songs and CD	
Graphic Organizer Transparencies	
Quick Activity Transparency	
www.pearsonsuccessnet.com	

Write your answers.

1. What can energy from the Sun do?
Energy from the Sun gives us heat and light.
2. What are some things from which energy can come?
Energy can come from light, heat, wind, electricity, and food.
3. How do people use energy?
People use energy to make things work.
4. You skipped breakfast this morning. You also forgot your lunchbox. After school, you feel tired and grumpy. What do you need to do to feel better? Why? Use the graphic organizer to help you.
Possible answer:

Draw Conclusions

I know

People get energy from food.

My conclusion

If you do not eat, you will feel tired. You need to eat to feel better.

