

All About Electricity

Summary

Electricity has energy. Electricity is made from things in nature. Power plants use fuel to make electricity. They burn coal, gas, and oil to make heat. This heat energy is turned into electricity. Electricity leaves power plants and moves in power lines to homes and other places. It flows in wires that are connected to outlets in walls. People plug things into the outlets to make them work. They turn a switch on or off to start or stop the flow of electricity. Batteries store energy. We use batteries to work things that don't have a plug. Batteries let you take electricity with you.

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 things they know that use electricity.

Vocabulary

battery, electricity, energy, fuel, heat, shadow, electrical, objects, outlet, plug, power plants, switch, vehicles, wires

Comprehension Skill: Draw Conclusions

Say: We can use what we already know to draw a conclusion about something. Suppose there was a thunderstorm and the power was out. Could you watch television or play video games? Why or why not?

During Reading

Think Critically

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

1. How is electricity made? Electricity is made by burning fuels such as coal, gas, and oil.

2. What sorts of things use electricity?

Possible answers: lights, toys, machines, computers, flashlights, trains, submarines, electronic keyboards, phones, mixers, fans.

After Reading

Writing in Science

Switches can send electricity into objects. Write to explain how turning switches on and off makes an object work. 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 a toy that needs electricity to work but doesn't have a plug.

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 fuels do power plants burn to make electricity?
Power plants burn coal, gas, and oil to make electricity.
2. How does a flashlight get the electricity it needs to work?
A flashlight gets electricity from a battery.
3. How does a switch help you when you want to use electricity?
A switch starts and stops electricity as it moves through wires.
4. You have a toy that needs electricity to work. But this toy has no plug. What do you know about this toy? Use the graphic organizer to help you.
Possible answer:

Draw Conclusions

I know

A battery stores electricity.



My conclusion

A toy that does not have a plug uses a battery to work.