

Air Is Everywhere

Summary

Air is a gas. All living things need air to live. It contains the oxygen people and animals need to breathe. Plants need air too. They use another gas in air, carbon dioxide, during photosynthesis. They need wind to help spread their seeds. Wind can be gentle as in a soft breeze or forceful as in a hurricane or tornado. People can use wind power to run machines and make electricity. Air is always changing. It heats up, rises, and cools to help create clouds, rain, and wind.

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. Ask children how they can tell when air is moving.

Vocabulary

mass, property, states of matter, solid, liquid, gas, mixture, air pressure, air resistance, condenses, evaporates, molecules, photosynthesis, precipitation

Comprehension Skill: Draw Conclusions

Say: We can use what we know to draw a conclusion or make a decision about something. Suppose you see the leaves of a tree moving. Can you draw a conclusion about what is causing the leaves to move?

During Reading

Think Critically

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

1. **What state of matter is air?** Air is a gas.
2. **What is photosynthesis?** The process by which plants use carbon dioxide, water, and sunlight to make food in their leaves.

After Reading

Writing in Science

Air is important to life. Write to describe three ways in which air helps us live. 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 use what they know to conclude why it is important for the wind to spread seeds.

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. Why must astronauts carry air with them in space?
Astronauts need air to live and there is no air in space.
2. How can people use wind power?
People use wind power to run machines and make electricity.
3. Why does a hot-air balloon rise?
Hot air is lighter than cool air, so hot air balloons rise.
4. Why is it important for the wind to spread seeds?
Use the graphic organizer to help you.

Possible answer:

Draw Conclusions

I know

Plants come from seeds.
Plants give us food and wood for homes.



My conclusion

It's important for the wind to spread seeds so that plants can grow.