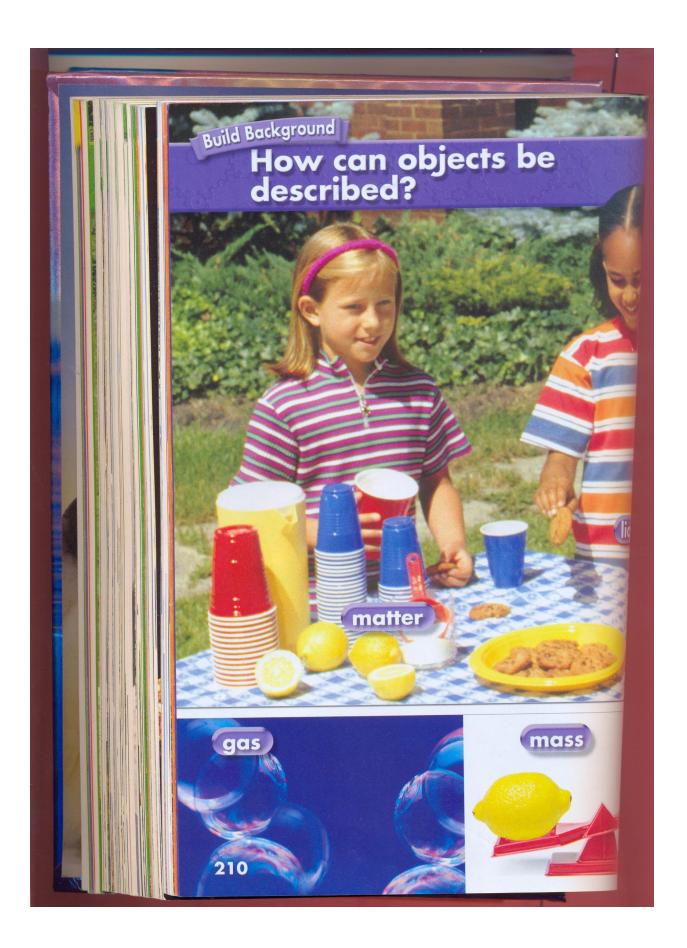
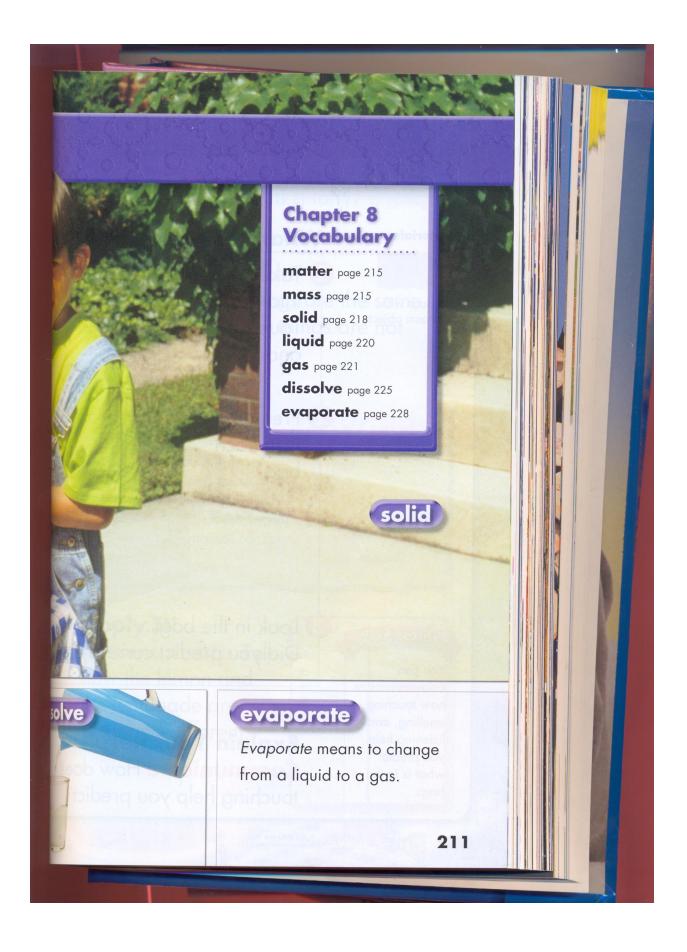
Chapter 8 Student Edition Student DVD You Will Discover ways that matter can be grouped. ways that matter can change. 209







Explore What is in the bags?

Materials

1 2 3 4 5

5 bags with classroom objects

What to Do

- Take turns reaching into each bag. Touch, smell, and listen.
- Predict what is in each bag.

Process Skills

You can

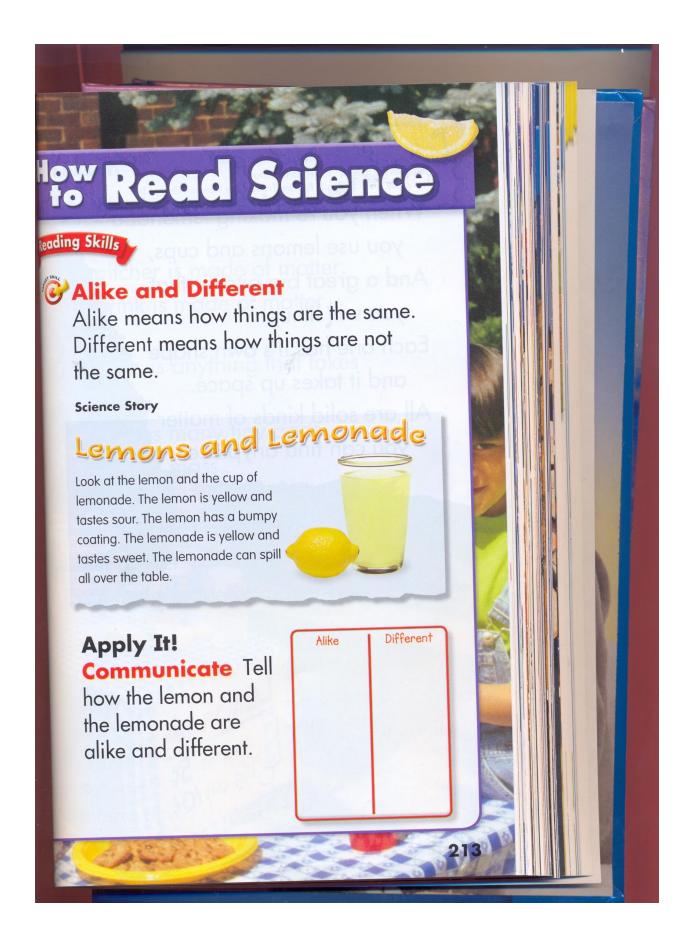
communicate

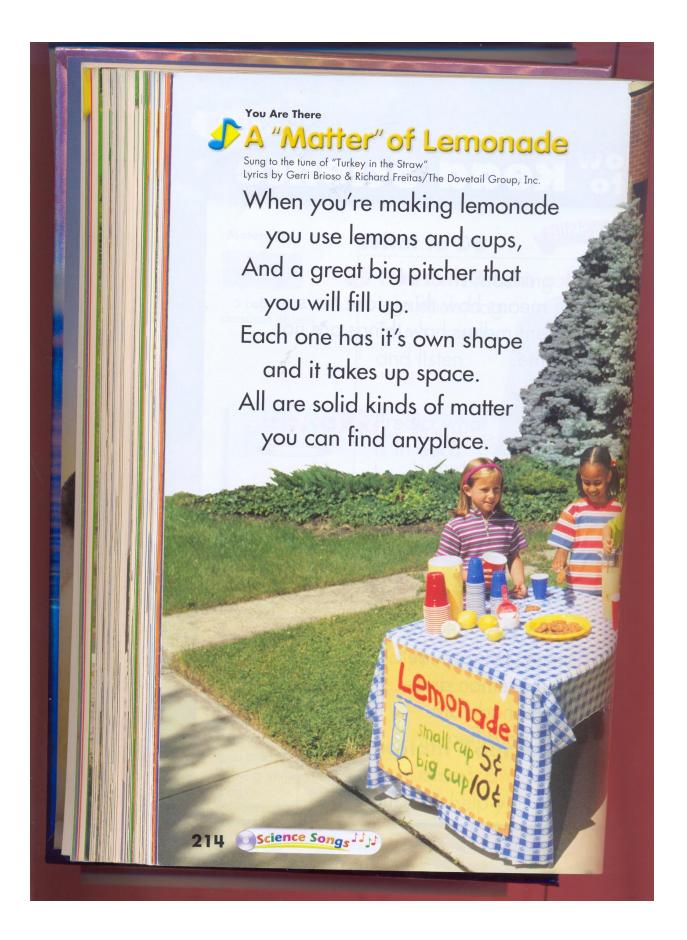
how touching, smelling, and listening help you predict what is in the bags.

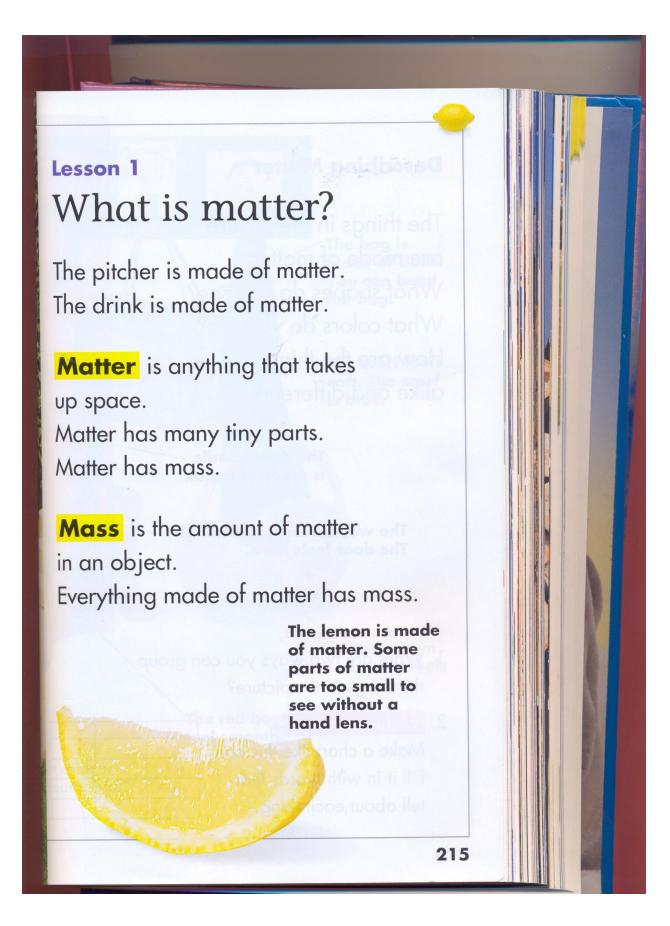
🔞 Look in the bags. Did you predict correctly?

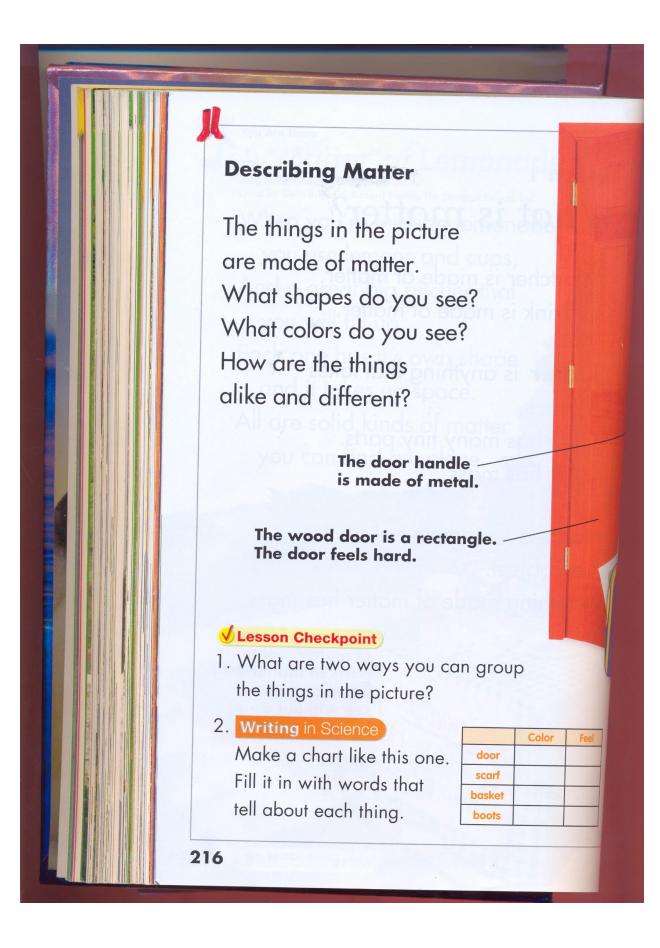
> **Explain Your Results** Communicate How does

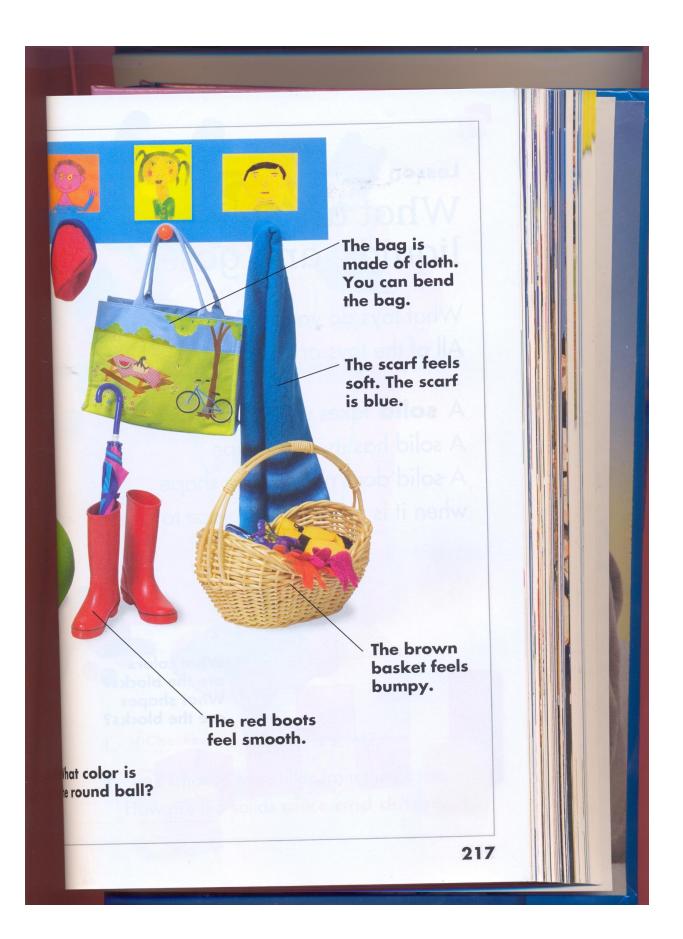
touching help you predict?

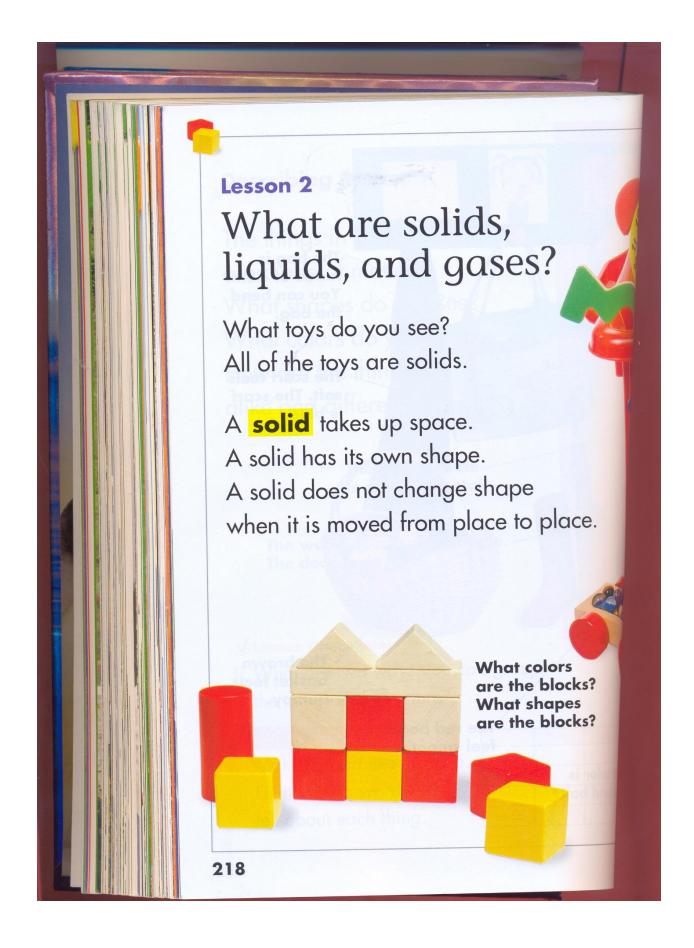






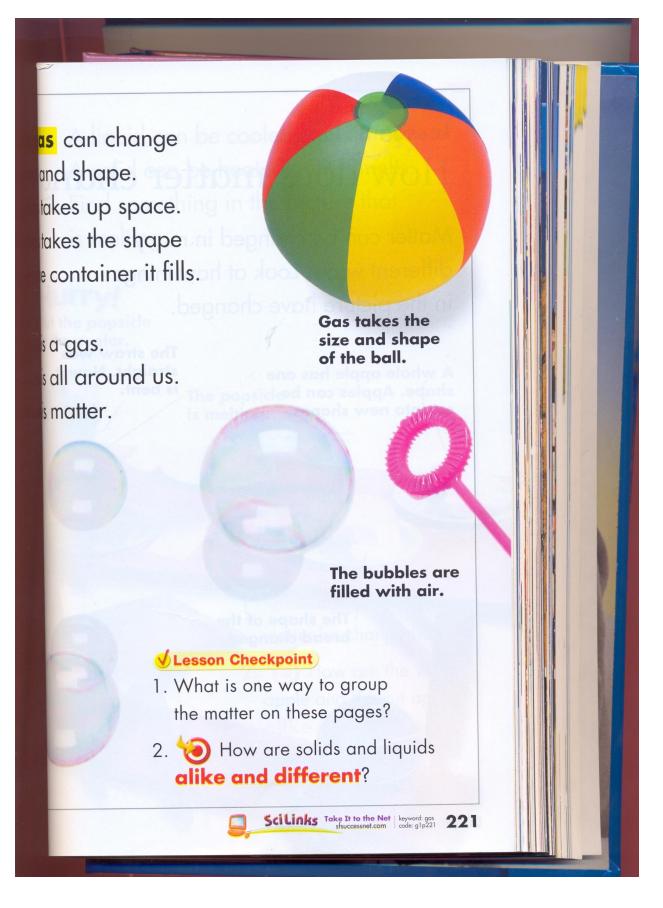


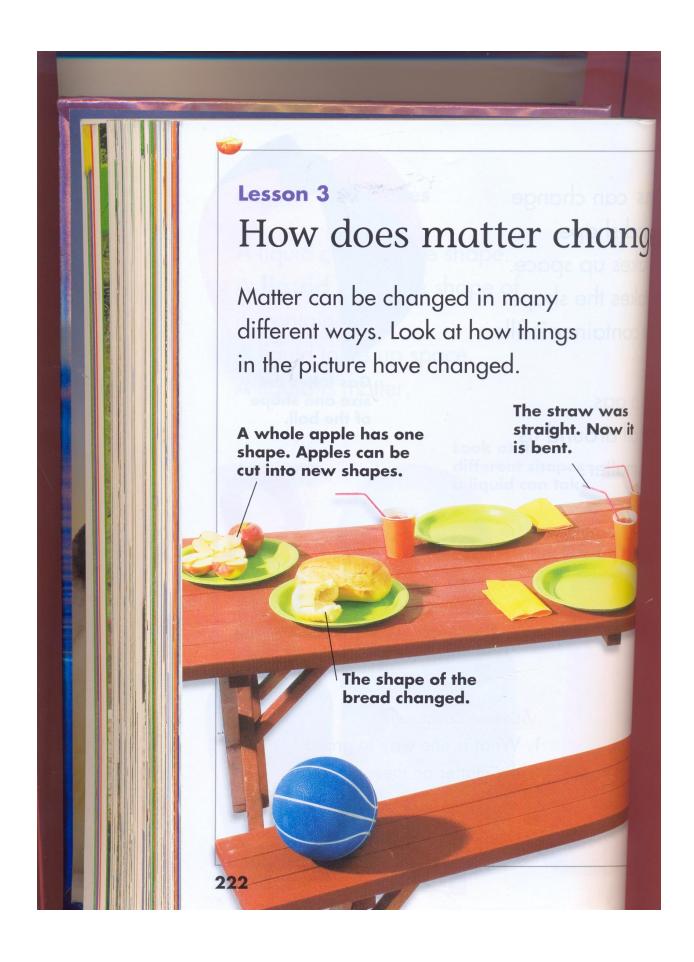


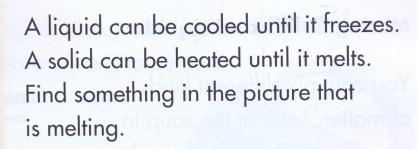










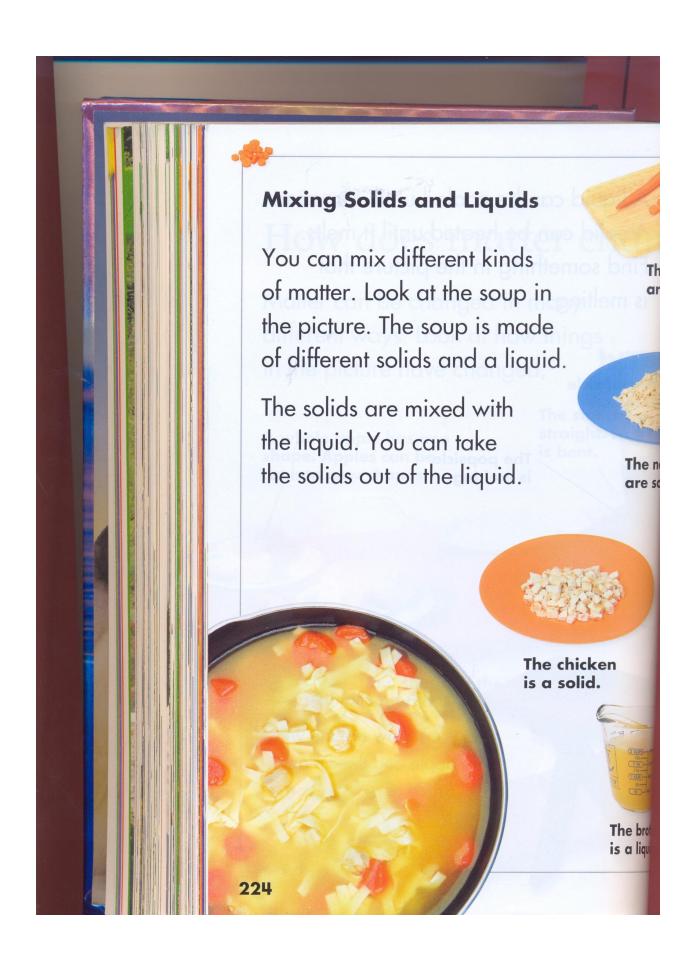


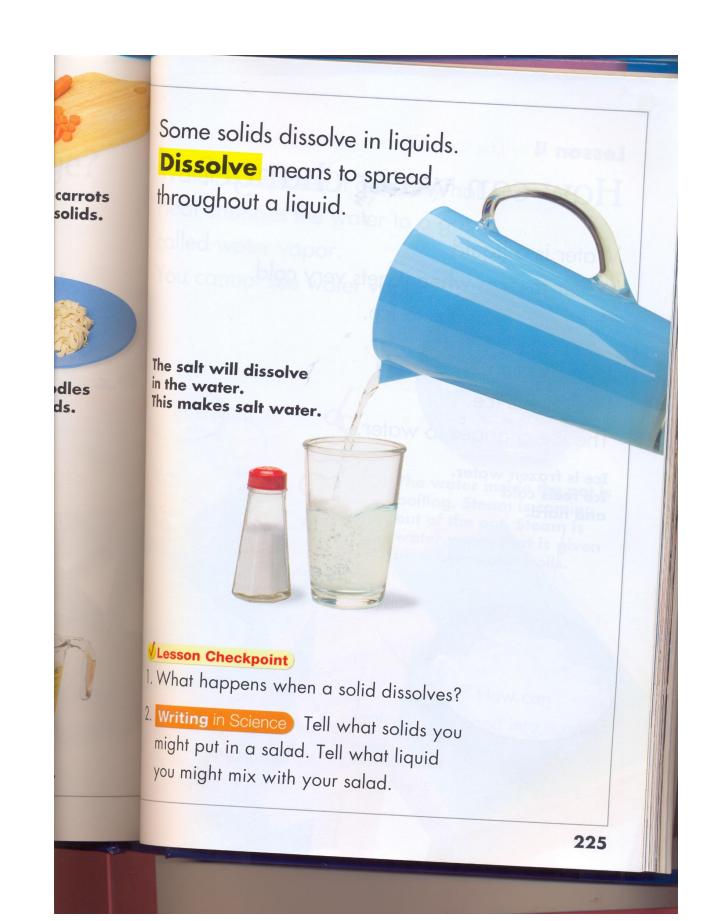
Hurry!

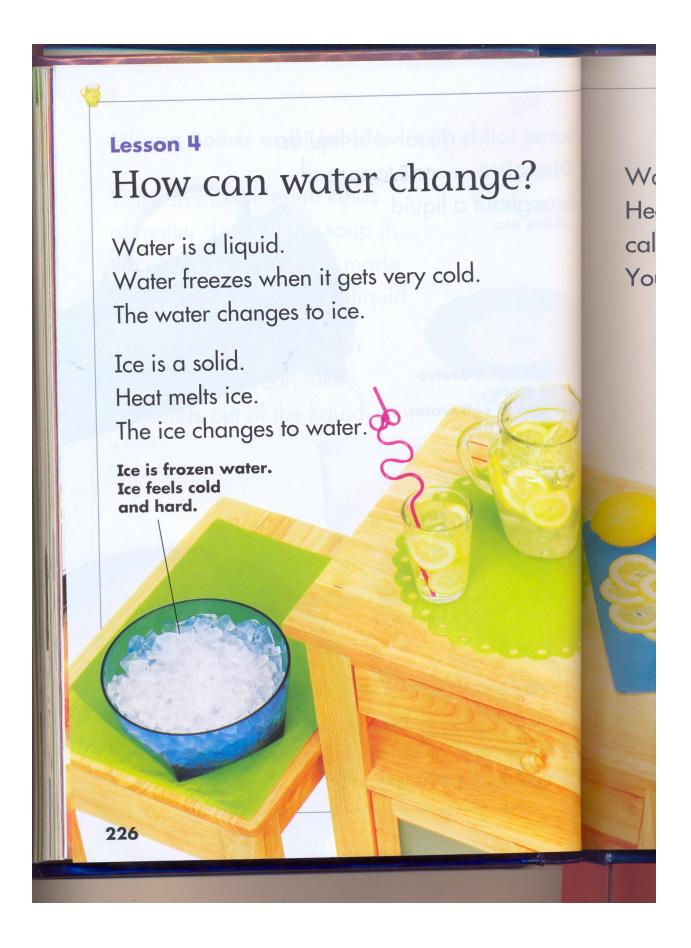
Put the popsicle in the cooler.

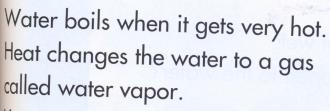


- 1. Checkpoint How can matter be changed?
- 2. How are the whole apple and the cut apple alike and different?







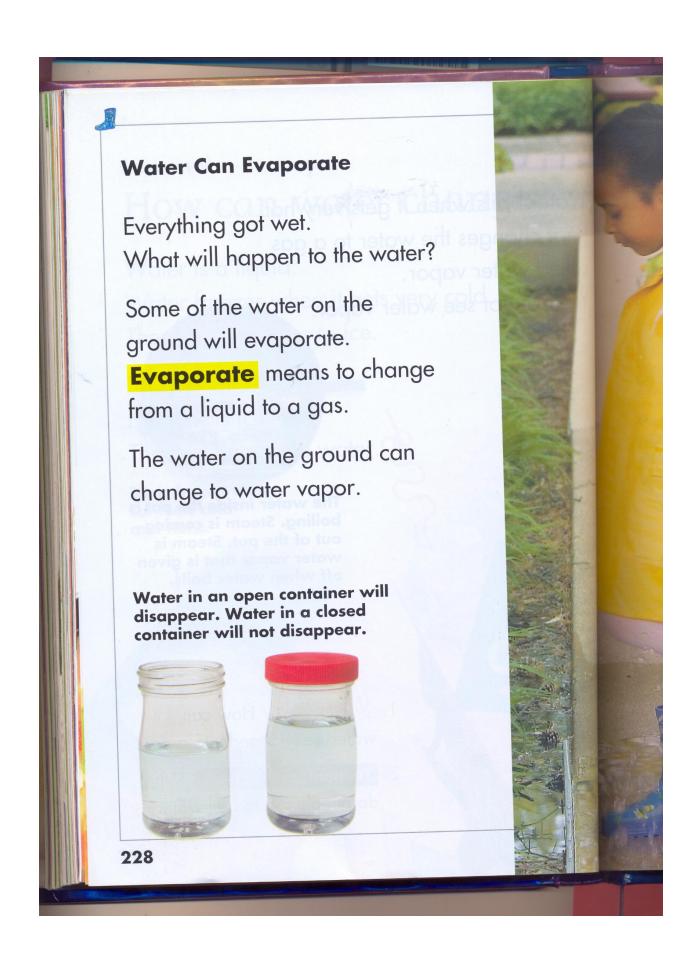


You cannot see water vapor.



The water inside the pot is boiling. Steam is coming out of the pot. Steam is water vapor that is given off when water boils.

- 1. **Checkpoint** How can water be changed into a gas?
- 2. **Technology** in Science What do people use to boil water?







Paper can burn.

Paper changes into ashes when it burns.

Ashes will not change back into paper.



People can use paper to start a campfire.



The paper will burn.



The paper turns into ashes when it is burned.



√ Lesson Checkpoint

- 1. How can paper change?
- 2. Math in Science Suppose you had three apples. Each apple was cut into two pieces. How many pieces of apple would you have? Write a number sentence.



Investigate Will it float or sink?

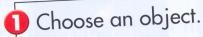
Materials





tub with water

What to Do



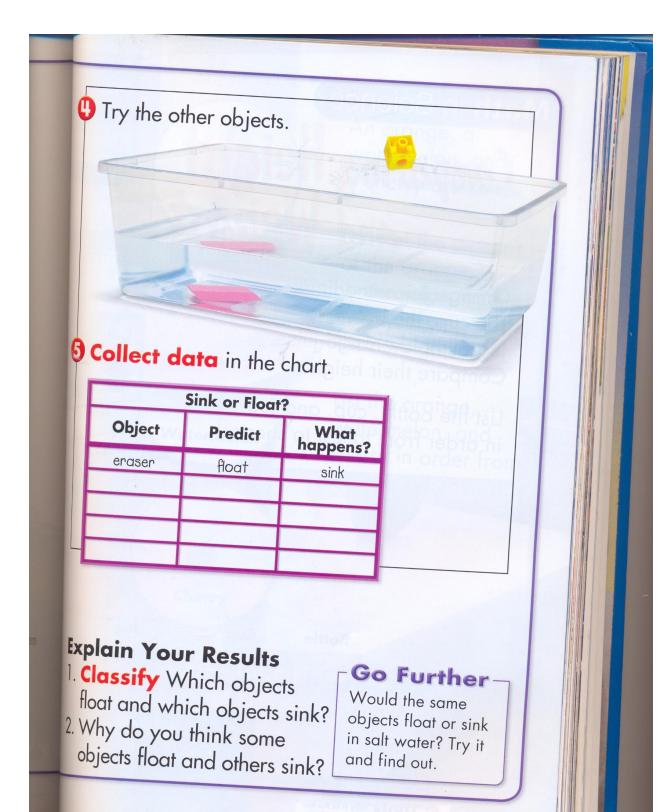


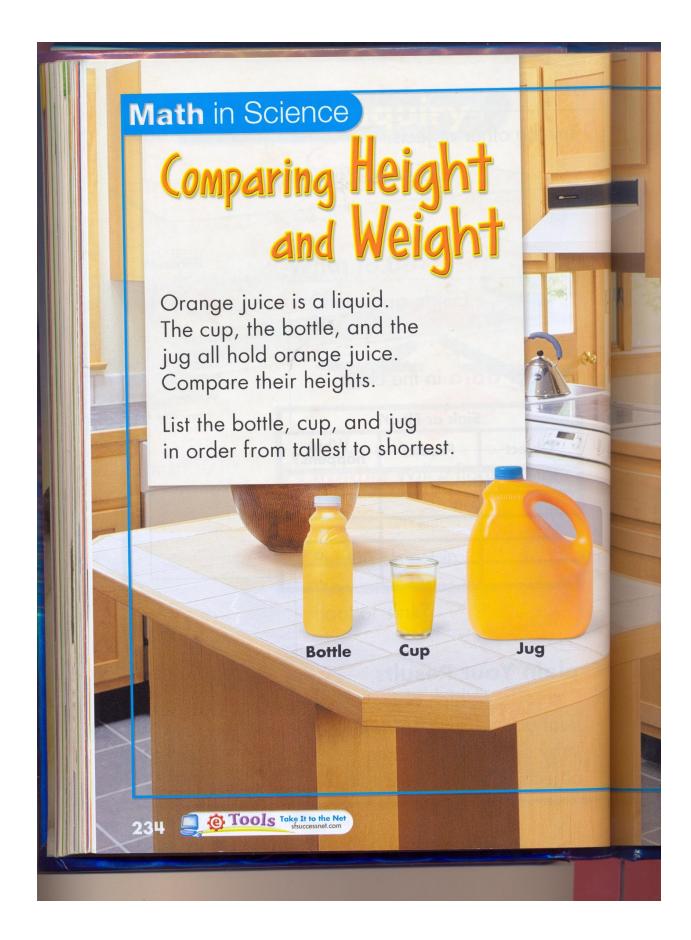
- Predict Will it float or sink?
- 3 Put the object in the water. Does it float or sink?

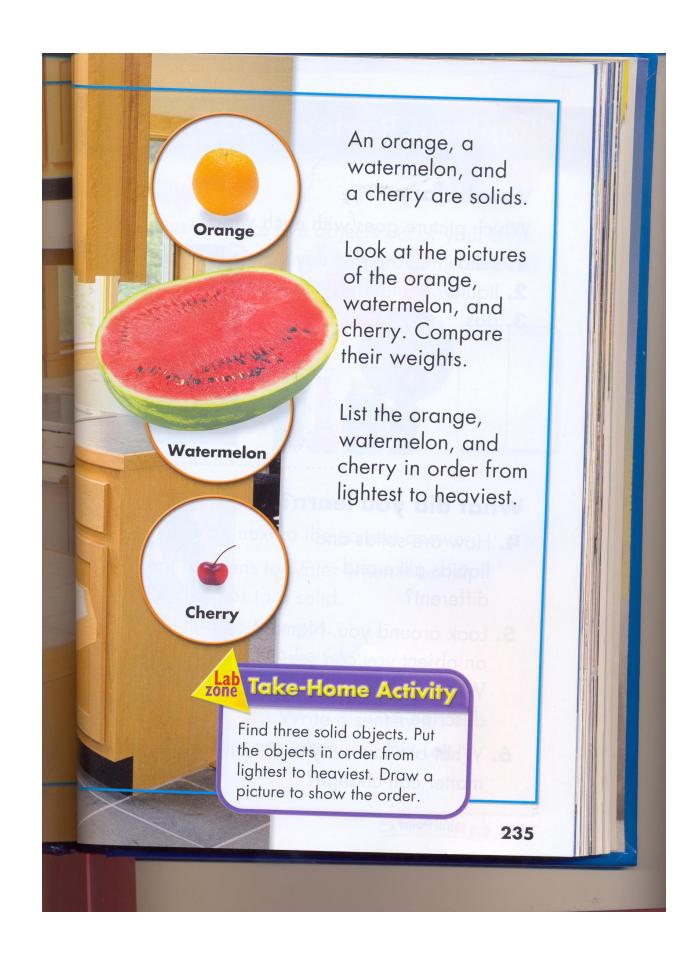
Clean up spills right away.

Process Skills

When you classify, you sort things that are alike and different.







Chapter 8 Review and Test Prep

Vocabulary

Which picture goes with each word?

- 1. solid
- 2. liquid
- **3.** gas







What did you learn?

- **4.** How are solids and liquids alike and different?
- 5. Look around you. Name an object you can see.
 What are three ways to describe it?
- 6. What are four ways matter can change?



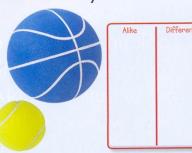


Process Skills

7. Classify Take five objects out of your desk.
What is one way you can group the objects?
Now group them in a different way.

Alike and Different

8. How are the balls alike and different?



Test Prep

Fill in the circle next to the correct answer.

- 9. What happens to water when it boils?
 - A It changes to a solid.
 - (B) It changes to a gas.
 - © It changes to a liquid.
 - D It dissolves.
- 10. Writing in Science Write a sentence.

 Tell what happens when you mix salt and water.