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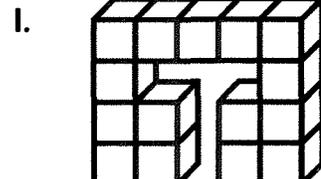
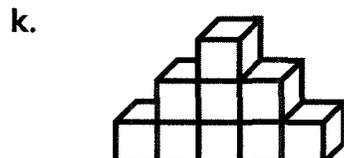
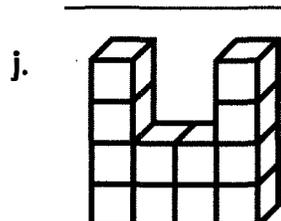
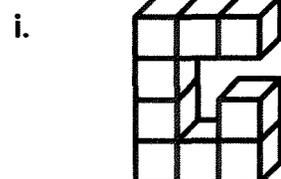
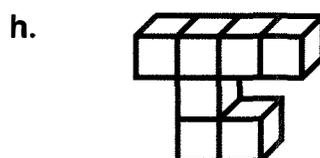
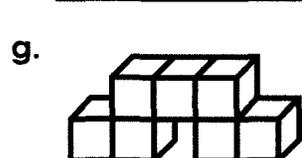
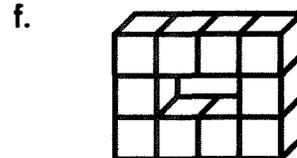
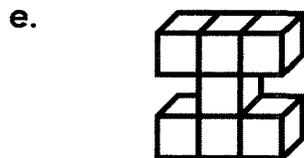
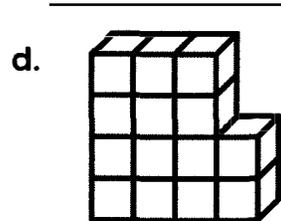
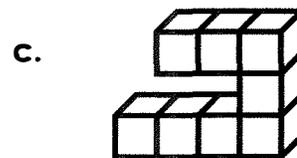
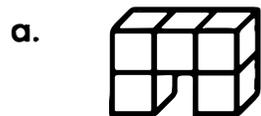
Volume Cubes

Volume is the measure of space inside a solid object, such as a cube or rectangular prism. Volume is measured in **cubic units**.

 = 1 cubic cm or 1cm^3

 = 3cm^3

Find the volume of each shape. Use cubic centimeters (cm^3) for your units.



Name: _____

Sacagawea



Sacagawea was a Native American woman from the Lemhi Shoshone tribe. She helped with the Lewis and Clark Expedition, which took place from 1804 to 1806.

Only a teenager, Sacagawea helped explorers Meriwether Lewis and William Clark and their team cross western parts of the United States that were gained in the Louisiana Purchase. The team explored lands all the way to the Pacific Ocean. Sacagawea traveled thousands of miles with the explorers. She helped them learn about the land and meet Native American tribes in the region.

Today, many statues and memorials help people remember Sacagawea. She has also been on a U.S. postage stamp and a U.S. dollar coin.

1. To which Native American tribe did Sacagawea belong?

2. What was the Lewis and Clark Expedition?

3. How did Sacagawea help the Lewis and Clark Expedition?

4. Which modern-day U.S. state might Sacagawea and the Lewis and Clark Expedition have crossed on their journey?

- a. New York b. Florida
c. North Carolina d. Montana

Name _____

Day 2

Weekly Question

What puts the fizz in soda?

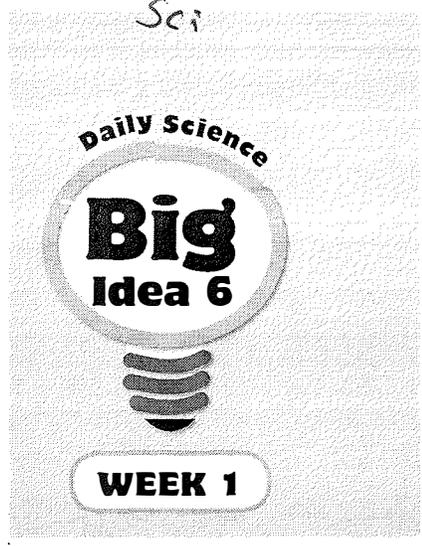
When you think of a boiling mixture, you probably don't picture an ice-cold soda. But, in fact, that's just what is happening when you see bubbles in your soft drink. Carbon dioxide gas is, in effect, "boiling" out of your cold soda. Unlike water, which has a **boiling point** of 100°C (212°F), carbon dioxide changes from liquid to gas at -57°C (-70°F). So even at the temperature of a chilled soda, CO₂ is still a gas, and it bubbles out of the liquid.

Boiling point and **freezing point** are physical properties of a substance. Physical properties may include color, hardness, texture, or many other characteristics of matter that can be measured or seen. The freezing point of carbon dioxide gas is -78°C (-109°F). At this temperature, CO₂ becomes a solid, taking the form of dry ice. But in the same way that the boiling point of a substance doesn't have to be terribly hot, the freezing point doesn't have to be very cold, either. Liquid gold, for example, "freezes" at 1,064°C (1,947°F).

Room temperature is approximately 20°C (68°F). Use the information in the table below to answer the questions.

	Freezing Point	Boiling Point
Water	0°C	100°C
Nitrogen	-210°C	-196°C
Mercury	-39°C	357°C
Gold	1,064°C	2,856°C

- Which substance has the highest boiling point? _____
- Which substance has the lowest freezing point? _____
- Which substance is a solid at room temperature? _____
- Which two substances are liquids at room temperature? _____



Vocabulary

boiling point
BOY-ling POYNT
the temperature at which a liquid changes into a gas

freezing point
FREE-zing POYNT
the temperature at which a liquid changes into a solid

Name: _____

Field Day Champion

by Kelly Hashway

Andy smiled as he and his field day team stepped up to their last activity. They were in first place, and Andy could already feel the medal around his neck.

"How exciting!" Mrs. Emory said. "You two teams are tied with the highest score of the day."

"Tied?" Andy said. "But we beat them at the relay race."

"Yes, but that was their only loss," Mrs. Emory said. "Your team also has one loss, so you are both tied for first place."

Andy crossed his arms in front of his chest. He didn't want to think about the balloon toss. He'd been the first one to drop his balloon.

"This event is a hula hoop challenge," Mrs. Emory said, handing everyone a hula hoop.

"Are we supposed to see how far we can roll them?" Andy asked.

"No. Your challenge is to hula hoop for as long as possible. Once your hoop hits the ground, you will be disqualified. The last person hula hooping will win the event for their team."

Andy's eyes widened. He'd never hula hooped before. He looked at the rest of his team. Becky seemed confident and so did Cory. They only needed one person to do well in order to win.

"Can we start?" asked Rachelle, the other team's captain. She must have done this before because she was excited about the challenge.



Mrs. Emory blew her whistle. "Begin!"

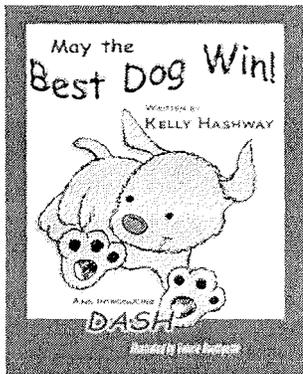
Andy watched Rachelle and mimicked everything she did. But no matter how hard he tried, the hoop wouldn't stay up. It bobbed and fell to his ankles. He stepped aside and cheered for Becky and Cory who were the only ones left to battle Rachelle.

Becky sneezed and her hoop toppled to the ground. Andy grumbled, but he started cheering even louder for Cory. Andy stared at Rachelle. She looked so relaxed as the hoop twirled around her. Her team was chanting her name, and it took Andy a moment to realize Cory had dropped his hoop. The challenge was over, and Rachelle had won, which meant Andy's team had lost. But Andy couldn't help cheering for Rachelle as she continued to hula hoop.

Rachelle was still hula hooping when Mrs. Emory gave out the medals. Andy wore his second place medal with pride as he congratulated Rachelle, the true field day champion.



About the Author



Kelly Hashway's picture book, *May the Best Dog Win*, is now available!

Dash has the perfect life until the Super Sweeper 5000 shows up. Sweeper runs all over the house sucking up the leftover food scraps, and he even gets his own room! But Dash won't give up his place as the favorite dog without a fight.

Hashway, Kelly *May the Best Dog Win*. ISBN 9780984589081

Name: _____

Field Day Champion

by Kelly Hashway



1. The second sentence of the story says:

They were in first place, and Andy could already feel the medal around his neck.

What does this mean?

- a. Andy could feel the weight of the medal hanging from his neck.
- b. The medal on Andy's neck was bothering him.
- c. Andy wanted to take off his medal so he could hula hoop better.
- d. He was close to winning a medal, and he imagined himself wearing it.

2. What were the names of Andy's teammates?

3. Do you think Andy was a good sport or a sore loser? Explain.

4. How did Andy feel when he received his medal?

- a. sad
- b. angry
- c. proud
- d. confused

5. Read the following sentence from the story.

Andy watched Rachele and mimicked everything she did.

Choose the best definition for the underlined word.

- a. made fun of
- b. copied
- c. talked about
- d. cheered for

