



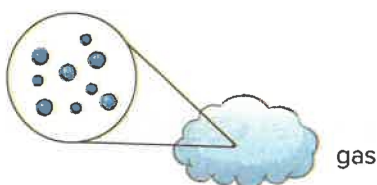
Chapter Wrap-Up

Matter

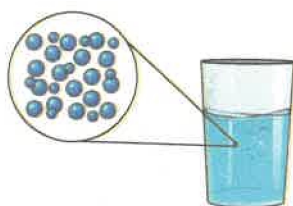
Use the information to answer questions 1 and 2

The Heat Is On

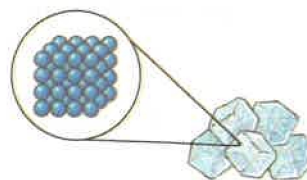
Sophia's teacher showed her illustrations of a solid, liquid, and gas and explained that these are the three main states of matter. Sophia set up an experiment to observe the changes in matter by placing a piece of ice in a bowl and watching it melt and evaporate. She then repeated the experiment with a light bulb shining on the ice and observed the difference in the change.



gas



liquid



solid

1. What is the main concept Sophia is trying to learn about in the investigation? **SC.5.P.8.1 SC.5.P.9.1 SC.5.N.1.1**
 - ☐ A. how time affects the state of matter
 - ☐ B. how temperature affects the state of matter
 - ☐ C. how mass affects the states of matter
 - ☐ D. how states of matter can change
2. How will the light shining on the ice change how it melts and then evaporates? **SC.5.P.9.1**
 - ☐ F. it will happen faster
 - ☐ G. it will happen slower
 - ☐ H. there will be no changes
 - ☐ I. it will make it easier to see
3. Honey is soluble in water. How can you increase the speed at which the honey dissolves in the water? Explain. **SC.5.P.8.2**

4. The photo shows a mixture of iron filings and sand. How could the mixture be separated? **SC.5.P.8.3**



- ☐ A. Pass a magnet through the mixture.
- ☐ B. Heat the mixture on a stove or hot plate.
- ☐ C. Pour the mixture into a tank of water to see which materials float.
- ☐ D. Pour water on the mixture in a beaker to see whether one of the materials dissolves.

5. What are some properties of matter that you need a tool to measure? **SC.5.P.8.2**



6. What's in your drink? Explain how mixtures, solutions, and atoms of matter could be filling your cup. **SC.5.P.8.2 SC.5.P.8.3 SC.5.P.8.4**



Show What YOU Know

Write a newspaper article, create a comic strip, or perform a skit.

- ☐ Why is it important to know about changes to matter in your everyday life?
- ☐ Does changing matter affect you during different times?
- ☐ How does knowing about how properties of matter change affect you?

Mix it up and
get creative!

