

A composite image featuring a child's face, goldfish, and a diver in an aquarium setting. The child's face is on the right, looking towards the left. Several goldfish are swimming in the water. A diver in a blue and silver suit is visible in the center. The background is a mix of blue and green, suggesting an underwater environment.

# What Can We Learn About Matter?



HOUGHTON MIFFLIN HARCOURT

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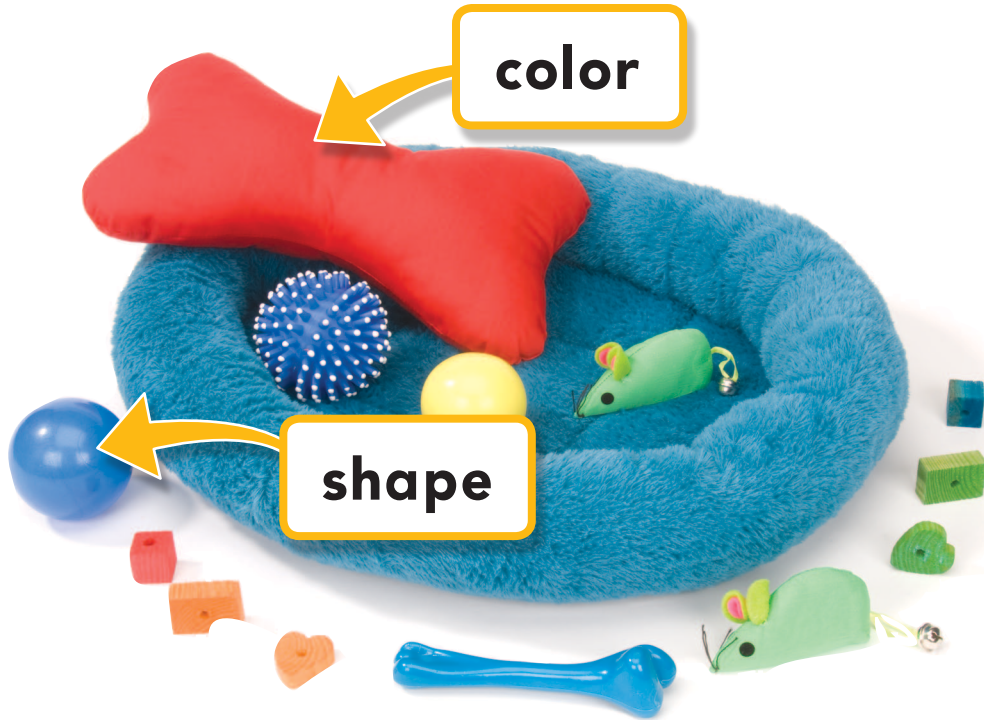
**matter**

**air**

**water**

**rocks**

All things are made of matter.



We can tell about its shape and color.

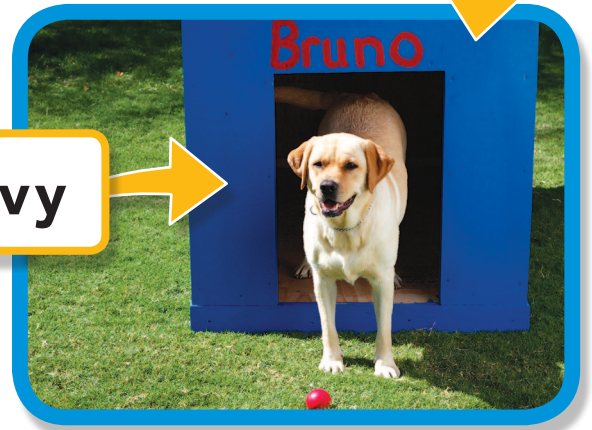


**small**

**light**

**big**

**heavy**



We can tell about its mass and size.



We touch objects to see how they feel.



Water is matter.

Ice is frozen water.

Heat makes ice change to water.



Cool air changes water to ice.



# Responding

## Tell About Objects

Have children choose three objects they see in the classroom. Have them draw each one. Then ask them to describe each item to a partner. Encourage them to describe to their partner each item's size, mass, shape, color, and texture.

## Tell About Heating and Cooling

Have children draw a small piece of ice. Ask them if they can describe how the ice formed. Then ask them to put a small piece of ice outside. Have them watch the ice for ten minutes. Then have them draw a picture to show what the ice looks like after ten minutes. Ask partners to discuss what they saw. Have them explain how heat changes ice.

## Vocabulary

cool

matter

heat



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