

All About Matter



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■ Matter



- Matter is everything around you.
- It can be big or small, hard or soft.

Solids



- Solid matter keeps its shape.
- You can sort solids.

Water and Other Liquids



float

sink



liquid

- ▮ Liquid matter flows. It changes shape.
- ▮ Some solids float in water. Some sink.

Gases Like Air



- Gas is matter that has no shape.
- You can not see most gases.

🔊 Mixtures



- 🔊 You can make a mixture of solids.
- 🔊 The solids do not change.

 salt



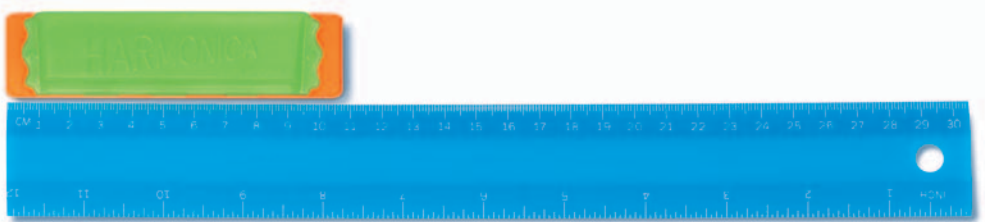
 soil



-  You can mix solids with liquids.
-  Salt dissolves in water. Soil does not.

Measuring Matter

- ▶ You can measure the length of a solid.
- ▶ You can measure the amount of liquid.



 A balance can measure mass.



Heating Matter



- Heat can change water into a gas.
- As steam cools, drops of water form.

Cooling Matter



- Water can get so cold it turns into ice.
- Ice is solid water.

Vocabulary

 matter, p. 2

 solid, p. 3

 liquid, p. 4

 float, p. 4

 sink, p. 4

 gas, p. 5

 mixture, p. 6

 dissolves, p. 7

 length, p. 8

 mass, p. 9

 steam, p. 10

Think About the Reading

-  **1.** What questions do you have about solids, liquids, and gases?
-  **2.** What can you do to find the answers to your questions?

Hands-On Activity

-  **1.** Make a tracing of your hand.
-  **2.** Measure each finger. Write the length of each finger.

School-Home Connection

-  Tell a family member what you have learned about matter. Take turns naming solids and liquids you use at home.