

Fun-damentals: Student Worksheet

What's the Matter?—Changing States

Check In

What Are the Three States of Matter?

Overview:

Matter comes in three forms, or states—solid, liquid, and gas.

Think About This:

How can you tell if something is a solid, a liquid, or a gas?

Record What You See:

Identify the things in the table as solid, liquid, or gas:

Object	State of Matter
Wood	
Sand	
Milk	
Juice	
Air	

How Does Matter Change State?

Overview:

Matter can change from one form or state to another.

Think About This:

What happens when water freezes? Where does the liquid water go? What about when water boils? Where does the liquid water go?

Record What You See:

Fill in this table as you go through the activity:

From	To	Activity	Called
Liquid water	Water vapor		Boiling
Water vapor		Remove some heat	Condensing
Liquid water			Freezing
Ice cubes		Add some heat	Melting

Check Out

Use your Check In sheet and what you remember from the activity to answer these questions.

What Are the Three States of Matter?

1. Name the three states of matter. Give one example of each state of matter.

How Does Matter Change State?

2. Describe two ways to add heat to liquid water.

3. What happens to liquid water when you add heat?

4. Describe two ways to remove heat from liquid water.

5. What happens to liquid water when you remove heat?

6. Describe two ways to add heat to solid ice.

7. What happens to solid ice when you add heat?
