

# 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.

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### How Does Matter Change State?

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

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

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

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

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

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

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