

Name: _____

Date: _____

Assessment 1: Matter exists in three states.

Write down the three states of matter:

1. _____

2. _____

3. _____

For each picture write the state of matter the object has inside it.

4. The matter in a hammer is a



5. The matter inside a tire is a



6. The matter inside a carton of milk is a



7. Name something that has gas inside.

8. Name something that is liquid inside.

9. Name something that is solid inside.

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Assessment 2: How many states of matter are in each object? How do they change?



1. How many states of matter make up a pencil? _____
What are they?



2. How many states of matter make up an orange? _____
What are they?



3. How many states of matter make up a soccer ball? _____
What are they?

4. What is the state of matter in a frozen popsicle? _____
How do you cause a popsicle to change its state of matter?

I need to

5. You have some melted butter in a pot. How do you make the liquid butter change back to solid butter?

I need to

6. You have a wet towel. You want to dry the towel. Do you need to **add heat** to the towel or **cool** the towel?

I need to

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Assessment 3: Temperature can affect the state of matter.

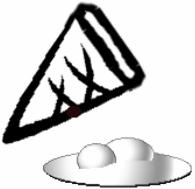
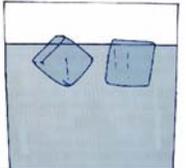
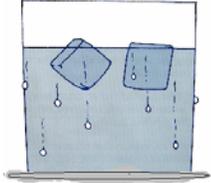
In Column A, write the word that describes the change.

Choose from the words in the **Word Bank** below.

Write your answer in the blank.

In Column B, tell if the change was caused by heating or cooling.

Word Bank: melt	freeze	condense	evaporate
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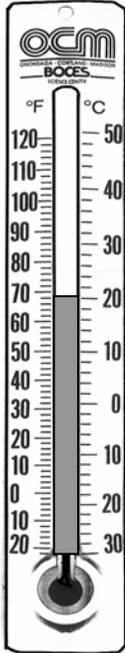
Change from	Change to	A. Describe the change using a Word Bank word.	B. Is it caused by heating or cooling?
		1. _____	2. _____
		3. _____	4. _____
		5. _____	6. _____
		7. _____	8. _____

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Assessment 4: Objects have temperature properties.

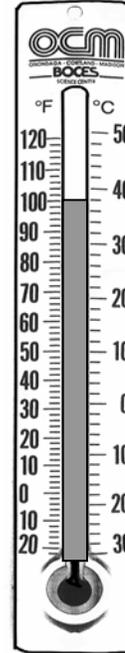
1 - 3. Reading a thermometer. Write the temperature reading in the space under each thermometer.



1.



2.



3.

4 - 6. There are names for the temperatures at which matter changes state. Using these words, fill in the blanks:

boiling

melting

freezing

4. The temperature at which a **liquid** changes to a **solid**, like water changing to ice, is the _____ point.

5. The temperature at which a **solid** changes to a **liquid**, like snow changing to water, is the _____ point.

6. The temperature at which a **liquid** changes to a **gas**, like a tea kettle whistling, is the _____ point.

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Assessment 5: Am I a solid, liquid or gas?

Read each poem and write down if it describes a **solid**, **liquid** or a **gas**.

I am free as a bird, I go where I please.
You can capture and squeeze me so easily.
Light as a feather, I have no shape or form.
Some people use me to blow their horn.

I am a ----- _____

I always measure the same: length, width and height.
My shape will not change over day or night.
Hard or soft, I stay where I'm put.
I'm the same state as what's under your foot.

I am a ----- _____

I may be found down on the ground or up in the sky.
For changes in state, I am the middle guy.
My shape changes when I am poured,
But my amount stays the same, not less nor more.

I am a ----- _____