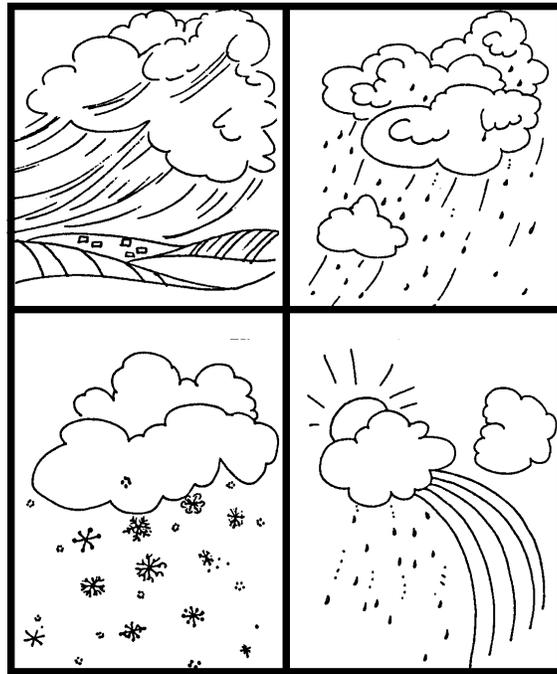


# Water Cycle

The Earth's Gift



## SECOND GRADE WORKBOOK



student \_\_\_\_\_

# WHAT IS WATER?

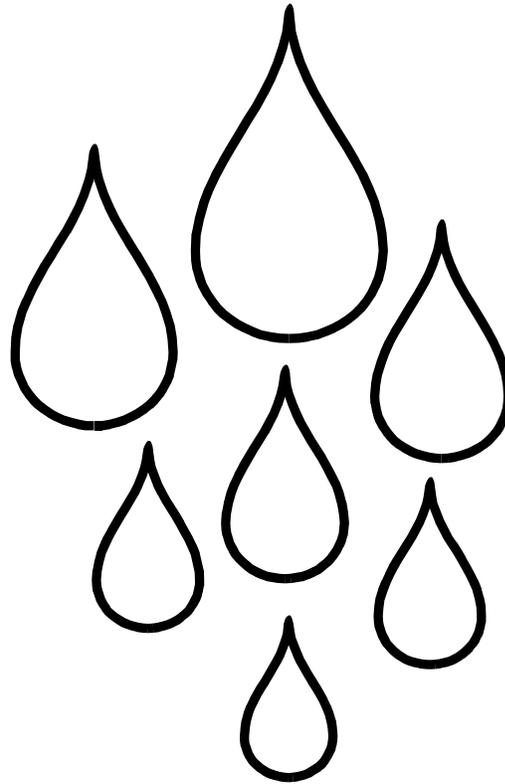
DESCRIBE IT?

smell: \_\_\_\_\_

feel: \_\_\_\_\_

color: \_\_\_\_\_

look: \_\_\_\_\_



other words that might describe water.

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## WATER CYCLE - WATER (2)

**PROBLEM:** Do all liquids make bubbles?

**PREDICTION:** \_\_\_\_\_

**MATERIAL:** bubble makers, bubble solutions

### PROCEDURE:

1. Practice making bubbles with your "bubble maker." Your teacher will provide the bubble solution.

2. Test the 3 bubble solutions 3 times with your bubble maker. Record your results. Record if the bubbles were OK, fine, good, great, or no bubbles.

	TRIAL #1	TRIAL #2	TRIAL #3
SOLUTION #1			
SOLUTION #2			
SOLUTION #3			

**CONCLUSION:**

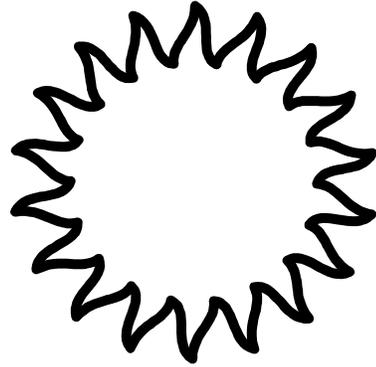
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**WATER CYCLE - WATER (2)**  
**POST LAB**

**DIRECTIONS:** Define each of the words.

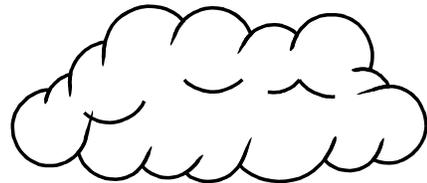
EVAPORATION

PRECIPITATION

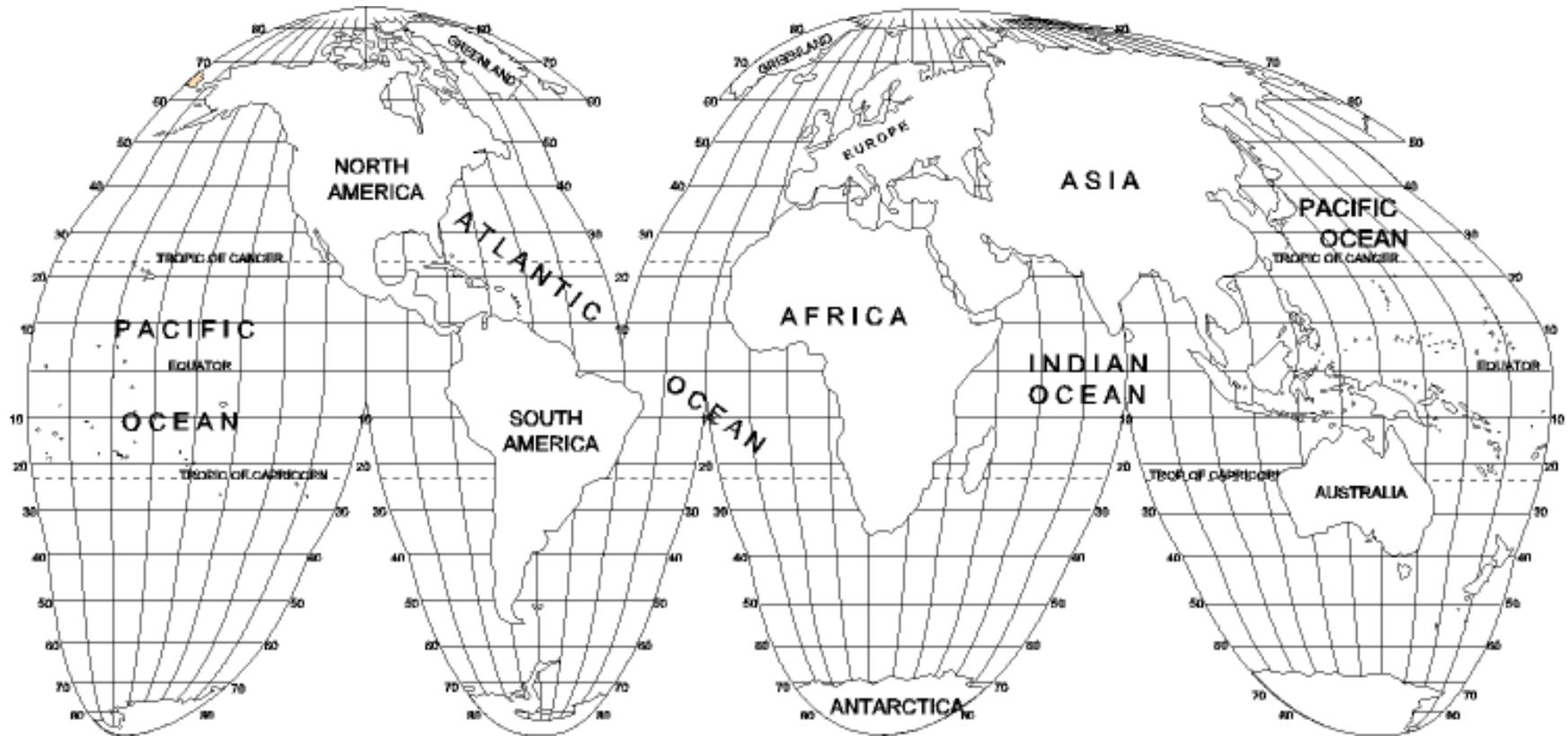



CONDENSATION

## WATER CYCLE - OCEANS (2)

**LABEL THE ARCTIC OCEAN.  
COLOR EACH OF THE 4 OCEANS A DIFFERENT SHADE OF BLUE.**



## WATER CYCLE - OCEANS (2)

**PROBLEM:** What is the difference between dirty, clean, and polluted water?

**PREDICTION:** \_\_\_\_\_

**EXERCISE I** Listen to the instructions from your teacher.

Which jars of water is dirty? \_\_\_\_\_

Which jars of water is polluted? \_\_\_\_\_

**WHY?** \_\_\_\_\_

**EXERCISE II** Look under the microscope at the samples of water. Record if you think they are polluted or dirty.

SAMPLE #	COMMENTS
1	
2	
3	
4	
5	

**CONCLUSION:** The difference between dirty water, clean water, and polluted water is: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**WATER CYCLE - OCEANS (2)**  
**POST**

**SOLUTE + SOLVENT = SOLUTION**

**CHOOSE ONE OF THE FOLLOWING WORDS:  
SOLUTE, SOLVENT, OR SOLUTION**



1. SALT (SOLUTE) + \_\_\_\_\_ (SOLVENT) = SEAWATER (SOLUTION)

2. KOOL AID (SOLUTE) + WATER (SOLVENT) = \_\_\_\_\_ (SOLUTION)

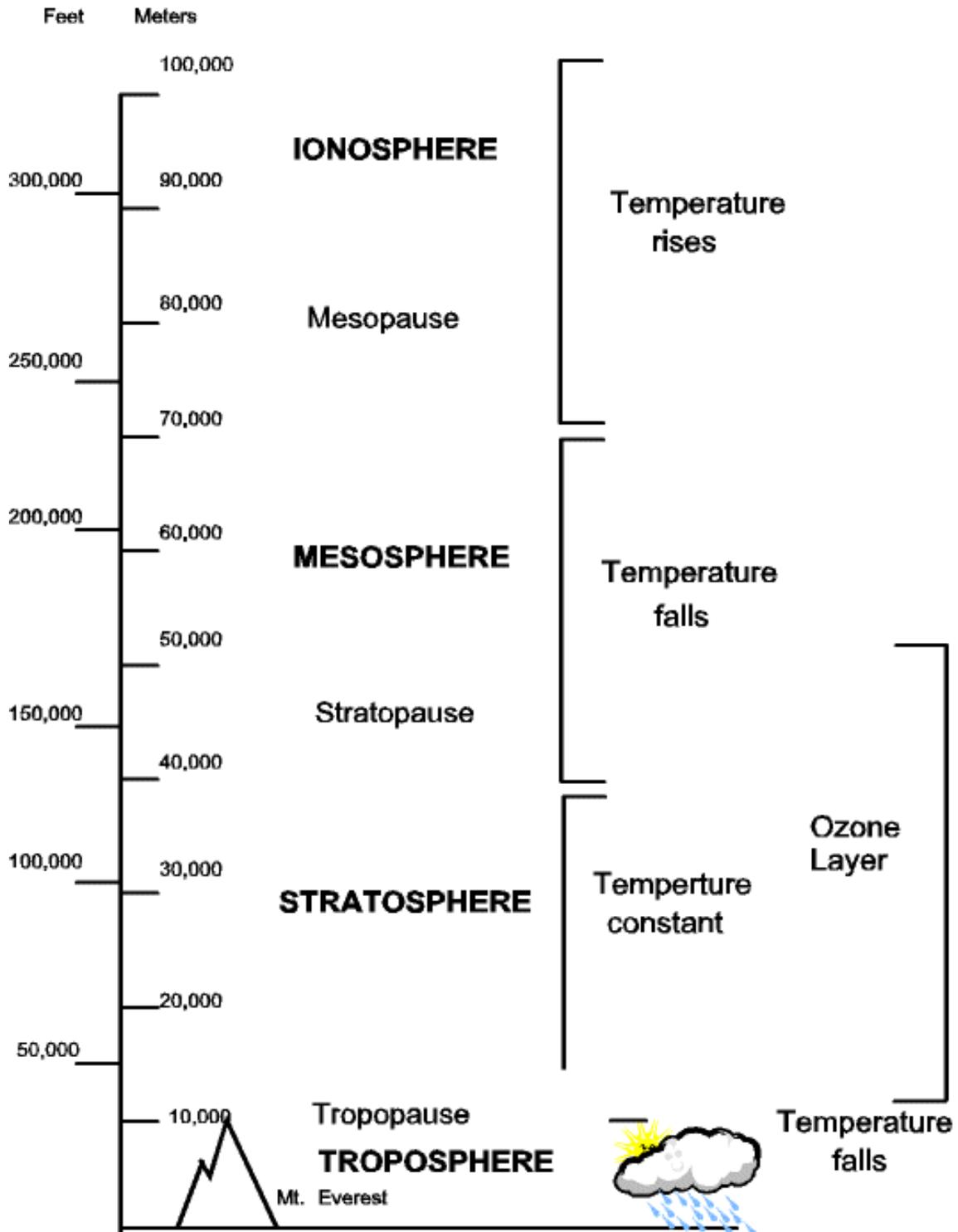
3. ORANGES (SOLUTE) + WATER (SOLVENT) = \_\_\_\_\_ (SOLUTION)

4. \_\_\_\_\_ (SOLUTE) + \_\_\_\_\_ (SOLVENT) = APPLE JUICE (SOLUTION)

5. DIRT (SOLUTE) + WATER (SOLVENT) = \_\_\_\_\_ (SOLUTION)

**WATER CYCLE - ATMOSPHERE (2)**  
**PRE**

**LAYERS OF THE ATMOSPHERE**



## WATER CYCLE - ATMOSPHERE (2)

**PROBLEM:** Does air exert pressure?

**PREDICTION:** \_\_\_\_\_

### EXERCISE 1.

**MATERIALS:** plastic clear glass, water, card

1. fill cup with water
2. put card on top
3. turn cup upside down quickly fill glass water



Describe what happens.

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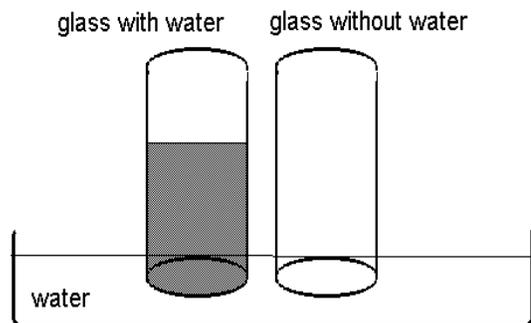
### EXERCISE 2.

**MATERIALS:** piece of paper, straw

1. put paper against one end of straw
2. suck through the other end

Describe what happens?

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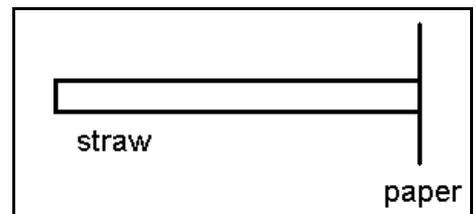
### EXERCISE 3.

**MATERIALS:** straw, plastic glass of water

1. take straw, put finger on one end
2. Push the other end into glass of water

Describe what happens?

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3. put straw in without finger on top
4. put finger on top and remove straw

Draw what happens.

#### EXERCISE 4.

**MATERIALS:** plastic glass, paper towel, pan of water

1. put an upside down glass with a paper towel in a pan of water
2. put one glass filled with water upside down in water, put an empty glass next to the other
3. tip the empty glass next to the glass with water as in the diagram.

What happened after #2?

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What happened after #3?

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**CONCLUSIONS:** Give examples of how air exerts pressure.

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**WATER CYCLE - WEATHER (2)**  
**PRE**

THE CLIMATE WHERE I LIVE				
by _____				
	SUMMER	FALL	WINTER	SPRING
Temperature				
day	_____	_____	_____	_____
night	_____	_____	_____	_____
Does it rain?	_____	_____	_____	_____
Does it snow?	_____	_____	_____	_____
Is there frost?	_____	_____	_____	_____
Is there ice				
on the puddles?	_____	_____	_____	_____
Is there fog?	_____	_____	_____	_____
Do plants grow?	_____	_____	_____	_____

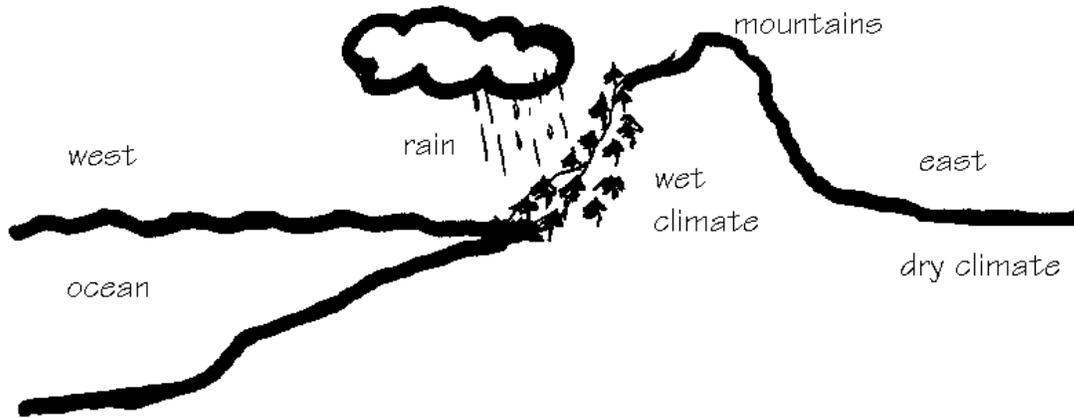
THE CLIMATE IN _____				
by _____				
	SUMMER	FALL	WINTER	SPRING
Temperature				
day	_____	_____	_____	_____
night	_____	_____	_____	_____
Does it rain?	_____	_____	_____	_____
Does it snow?	_____	_____	_____	_____
Is there frost?	_____	_____	_____	_____
Is there ice				
on the puddles?	_____	_____	_____	_____
Is there fog?	_____	_____	_____	_____
Do plants grow?	_____	_____	_____	_____

## WATER CYCLE - WEATHER (2)

**PROBLEM:** Do mountains affect weather patterns?

**PREDICTION:** \_\_\_\_\_

**PROCEDURE:** Make a model of a mountain using clay as instructed by your teacher.



1. Can the clouds pass the high mountains? Why?

\_\_\_\_\_

2. Why is it dry on the east side of the mountain?

\_\_\_\_\_

3. Where are most of the rivers located? East or West of the mountain?

\_\_\_\_\_

**CONCLUSION:**

\_\_\_\_\_

\_\_\_\_\_