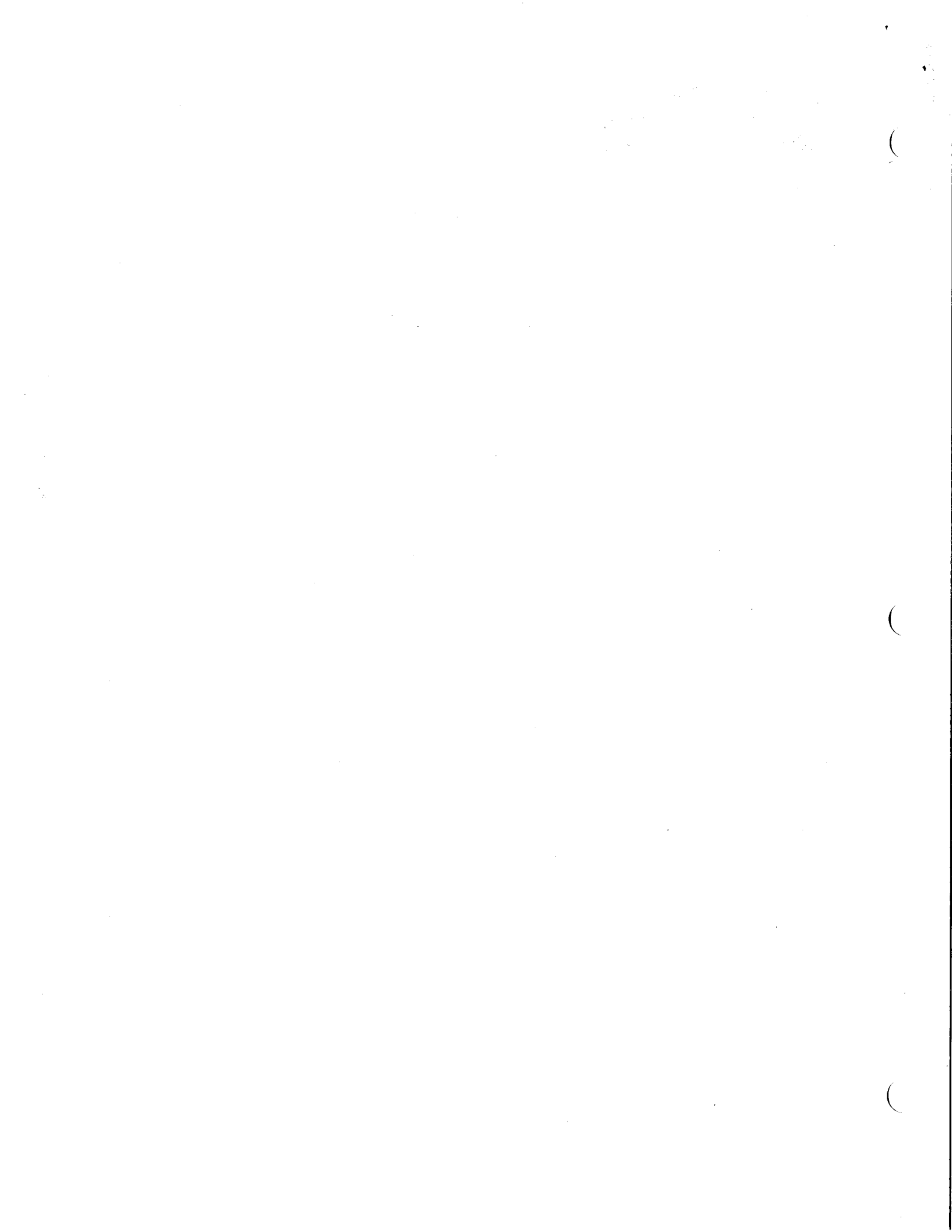


**Note-taking  
Worksheet****Cells—The Units of Life****Section 1 The World of Cells**

- A. \_\_\_\_\_ help living creatures with activities of life such as movement, growth, and reproduction.
- The \_\_\_\_\_ was developed after Robert Hooke invented the microscope in 1665.
    - All \_\_\_\_\_ things are made of one or more cells.
    - The cell is the \_\_\_\_\_ of life.
    - All cells come from cells that already \_\_\_\_\_.
  - \_\_\_\_\_ are one-celled organisms; larger organisms are made of many cells, sometimes trillions of cells.
  - A microscope's \_\_\_\_\_ is found by multiplying the powers of the eyepiece and the objective lens.
- B. Cells are composed of parts that do \_\_\_\_\_ jobs.
- The flexible \_\_\_\_\_ is the boundary of the cell and helps control what enters and exits the cell; some cells have a **cell wall** that helps support and protect the cell.
  - \_\_\_\_\_ is a gelatinlike substance containing many chemicals the cell needs.
  - Specialized cell parts called \_\_\_\_\_ do various jobs within a cell.
  - The \_\_\_\_\_ contains hereditary material called chromosomes.
  - \_\_\_\_\_ are storage organelles for food, water, and wastes.
- C. Inside the \_\_\_\_\_, cellular respiration uses oxygen to convert food energy into a form the cell can use.
- \_\_\_\_\_ products of cellular respiration are carbon dioxide and water.
  - Leaf cells in plants contain **chloroplasts** that help the cell make its own food through \_\_\_\_\_.



**Note-taking Worksheet (continued)****Section 2 The Different Jobs of Cells**

- A. The cells in many-celled organisms are \_\_\_\_\_ in shape and size for their function.
1. \_\_\_\_\_ specialized cells include fat cells, bone cells, nerve cells, and muscle cells.
    - a. \_\_\_\_\_ cells can store so much fat that the nucleus is pressed against the cell membrane.
    - b. A hard calcium and phosphorus material surrounds \_\_\_\_\_ cells.
    - c. \_\_\_\_\_ cells have many long branches to send and receive messages.
    - d. \_\_\_\_\_ cells have fibers that can contract and relax.
  2. \_\_\_\_\_ cells in leaves, stems, and roots are specialized to move food and water or to support the plant.
- B. Cells are \_\_\_\_\_ so they can work together to keep the organism alive.
1. **Tissues** are groups of similar cells that do the same kind of work; two or more tissues that work together form an \_\_\_\_\_.
  2. Groups of organs that work together to perform a job are called \_\_\_\_\_.



SS.U5.China.MAP RUBRIC

NAME: \_\_\_\_\_

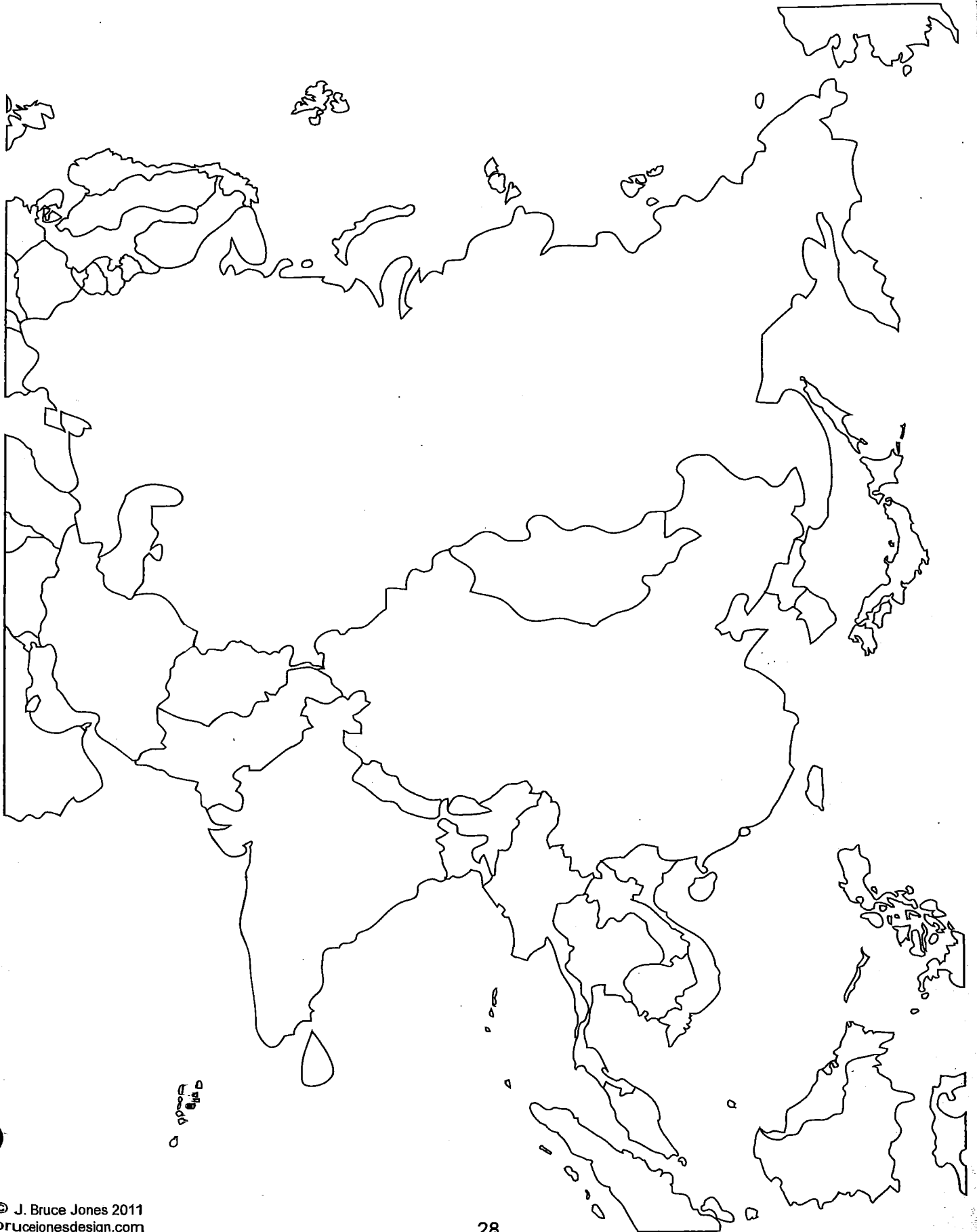
Checkmarks represent errors.

location	spelling	capital	neatness	
1. _____	_____	_____	_____	Indian Ocean
2. _____	_____	_____	_____	Yellow Sea
3. _____	_____	_____	_____	Sea of Japan
4. _____	_____	_____	_____	South China Sea
5. _____	_____	_____	_____	Sea of Okhotsk
6. _____	_____	_____	_____	Bay of Bengal
7. _____	_____	_____	_____	Huang He River (Yellow River)
8. _____	_____	_____	_____	Chang Jiang River (Yangtze R)
9. _____	_____	_____	_____	India
10. _____	_____	_____	_____	Mongolia
11. _____	_____	_____	_____	Philippines
12. _____	_____	_____	_____	Japan
13. _____	_____	_____	_____	Vietnam
14. _____	_____	_____	_____	Bangladesh
15. _____	_____	_____	_____	Kazakhstan
16. _____	_____	_____	_____	Myanmar (Burma)
17. _____	_____	_____	_____	Himalaya Mountains
18. _____	_____	_____	_____	Altay Mountains
19. _____	_____	_____	_____	Gobi Desert
20. _____	_____	_____	_____	Tropic of Cancer
21. _____	_____	_____	_____	Tibet
22. _____	_____	_____	_____	Beijing, China

11



# Asia














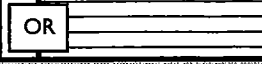

# Water Conservation

Water is one of the most essential natural elements on our planet. Without water, humans, animals, and plants could not live. That's why water conservation is so important. Water conservation involves preventing water pollution and reducing water waste. We must come together to conserve water. There are many things that people can do to save water. For instance, don't leave the water running when you are washing your hands or brushing your teeth. When you see a leaking faucet, let someone know so that it can be fixed. Swap out the showerhead in your home's shower with a low-flow showerhead. Instead of wasting nearly 3 gallons of water every minute, you can use just 2 gallons per minute. In addition, you could install low-flow toilets or harvest rainwater. In areas of the country where the climate is arid, water conservation is even more important since water is more scarce or limited. In particular, water conservation efforts need to be in place for farms. If we come together to conserve water, we can ensure clean water for the future.

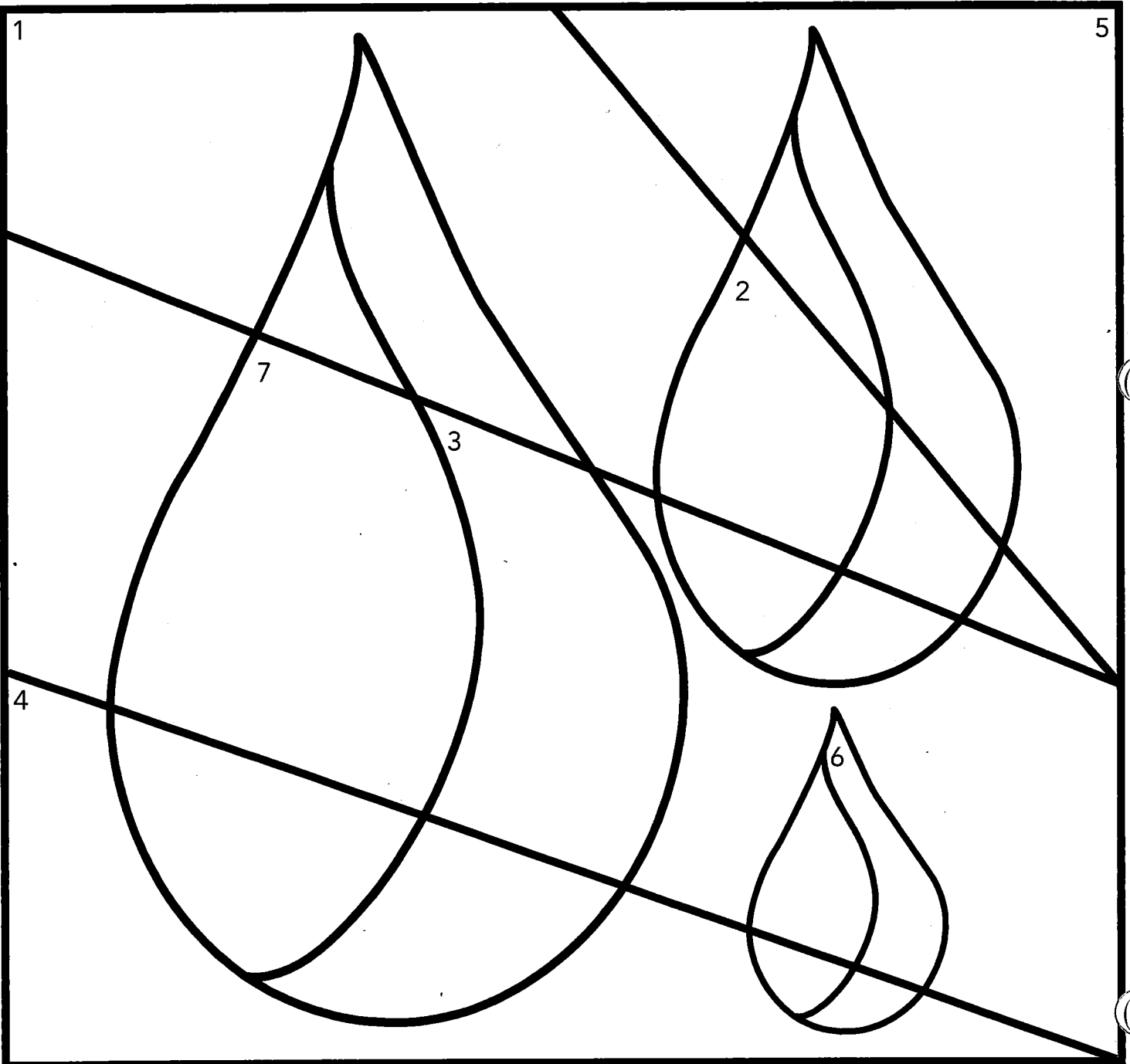
1. What is the author's purpose for writing this article?
  - A. To entertain
  - B. To inform
  - C. To persuade
2. What is the author's message in the passage?
  - D. People should conserve water.
  - E. Water will soon be limited.
  - F. Society needs to use more water.
3. Why does the environment need clean and pure water?
  - A. Water sustains life on our planet.
  - B. Water is in surplus.
  - C. Efforts to conserve water fuel our economy.
4. Which of the following could conserve water?
  - D. Watering your lawn.
  - E. Running a dishwasher that is not full.
  - F. Limiting the number of times you wash your car.
5. Why is water conservation important in arid climates?
  - A. Water is more abundant in arid areas.
  - B. Water is more scarce in arid areas.
  - C. Water conservation is limited in arid areas.
6. Based on this passage, you can conclude that...
  - D. Small changes will not have an impact on water conservation.
  - E. Conserving water would benefit the planet.
  - F. People cannot help the environment.
7. What is something you learned about water conservation?

*Transfer your answer to space #7 on the coloring page. Then, color the space any color.*

Use this key in combination with the answers you selected about water conservation to design the image below. Once you have drawn the patterns in the correct place you can then color it however you choose.

If the Answer Is...	Use this Pattern...	If the Answer Is...	Use this Pattern...
<b>A</b>		<b>D</b>	
<b>B</b>		<b>E</b>	
<b>C</b>	 OR 	<b>F</b>	

If the space is blank you can color it any solid color you want to!



# Mid-Chapter Check

## Vocabulary Check

Vocab



1. Define *product*. Give an example of two whole number factors with a product of 9.

.....  
.....

## Skills Check and Problem Solving

Find each sum or difference. (Lesson 1)

2.  $42.7 + 52.12 =$  .....

3.  $4.7 - 3.28 =$  .....

4.  $8.37 - 0.015 =$  .....

Multiply. (Lessons 3 and 4)

5.  $2.3 \times 5 =$  .....

6.  $3.4 \times 5.2 =$  .....

7.  $1.2 \times 0.015 =$  .....

8. The table shows a list of walking trails in the United States. Latisha walked the KATY Trail 6 days last week. How many miles did she walk in a week. (Lesson 3)

Location	Length of Trail (mi)
Florida Trail (FL)	4.8
Long Path (NJ)	3.3
Ohio & Erie Canal Trail (OH)	4.3
KATY Trail (MO)	5.7
Point Reyes National Seashore (CA)	5.0

9. **MP Be Precise** The length of a pool table is 7.1 feet and the width is 3.6 feet. Find the area of the surface of the pool table by multiplying the length by the width. (Lesson 4)

.....

10. **MP Persevere with Problems** While shopping for school supplies, Ashton buys two 3-ring binders, three packages of pencils, and two erasers. If he pays using a \$20 bill, how much change will he receive? (Lesson 2)

School Supplies	
Item	Cost (\$)
eraser	0.75
package of pencils	1.50
3-ring binder	2.75

2

○

○

○

# Lesson 5 Homework Practice

## Divide Multi-Digit Numbers

Find each quotient.

1.  $1,241 \div 43$

2.  $4,520 \div 17$

3.  $846 \div 11$

4.  $4,378 \div 6$

5.  $3,918 \div 92$

6.  $497 \div 13$

7.  $4,863 \div 55$

8.  $868 \div 19$

9.  $556 \div 3$

10.  $5,488 \div 32$

11.  $8,890 \div 48$

12.  $4,415 \div 75$

13.  $15 \overline{)5,777}$

14.  $18 \overline{)353}$

15.  $9 \overline{)268}$

**16. READING** Keri is reading a novel that has 650 pages. She has 25 days to finish the book. If Keri reads the same number of pages each day, how many pages does she read each day?

**17. SEATING** The new baseball stadium holds 64,506 people. There are 26 gates where people enter the ballpark. The same number of people entered each gate. How many people entered the first gate?



100

100

100

100

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# DIVIDING DECIMALS BY DECIMALS

1. To divide a decimal by another decimal, \_\_\_\_\_ the divisor as a whole number.
2. To do this, move the decimal of the divisor to the \_\_\_\_\_ until it is a whole number.
3. Then, move the decimal in the \_\_\_\_\_ the same number of spaces to the right.
4. You may need to add \_\_\_\_\_.
5. \_\_\_\_\_ the problem so you don't get confused.

## Dividing Decimals by Decimals

- Move the decimal of the divisor to the right until it is a whole number.
- Move the decimal in the dividend the same number of spaces to the right.
- Add zeros if necessary
- Rewrite the problem and solve.

**What is the quotient of 12.48 and 0.8?**

**What is the quotient of 63.7 and 2.6?**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# PRACTICE: DIVIDING DECIMALS BY DECIMALS

#1 What is 9.14 divided by 0.04?

#2 What is 0.382 divided by 0.8?

#3 What is the quotient of 47.936 and 0.56?

#4 What is the quotient of 82.488 and 0.982?

#5  $681.5 \div 7.25$

#6  $19.4568 \div 2.01$

#7 Joshua spent \$22.68 on apples. If apples cost \$1.89 a pound, how much did he spend per pound?