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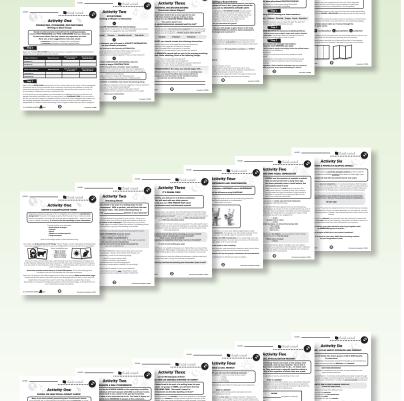
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## The Water Cycle

1. Draw a straight line from the word on the left to its definition on the right. You may use a dictionary to help.

1	water cycle		
2	evaporation		
3	collection		
4	precipitation		
5	condensation		

Gathering of objects	A
The movement of water from land up into the air and then back to the ground	B
Water or the amount of water that falls to the Earth	C
Water turns into vapor or steam	D
Water turns from a vapor into a liquid	E

۷.	a dictionary		Word Word		ow. Tou can use
	collection	water	evaporation	condensation	precipitation
			in whom water fall	ls down to the Earth	as rain snow or ha

a)	is when water falls down to the Earth as rain, snow or h
b) When you boil water in a	tea kettle, steam is produced. This is called
	<u>]</u> .
c)	can be a solid, liquid, or a gas.

-)		Jean be a solia, liquia, or a gas.
d)		is when you are gathering something together in
(	one place.	
· / c	When water turns from a	vapor into a liquid it is called

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After You Read

NAME:

## The Water Cycle

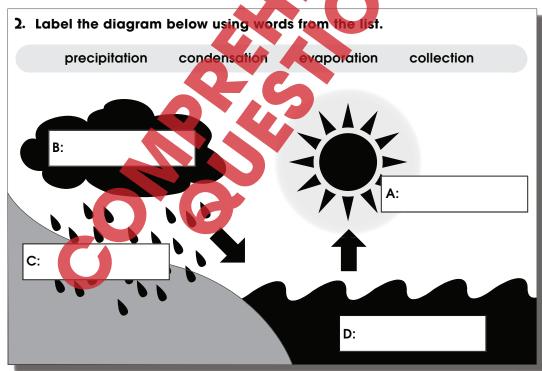
Number the events from 1 to 4 in the order they occur in the WATER CYCLE.

a) Condensation: Water vapor in the air gets cold and turns back into a liquid. Clouds are formed.

**b) Precipitation:** So much water has condensed that air can not hold it

c) Collection: Precipitation falls back to Earth through lakes, oceans and through the soil in land.

d) Evaporation: The Sun heats up from lakes, oceans and land. Water is turned into vapor or steam







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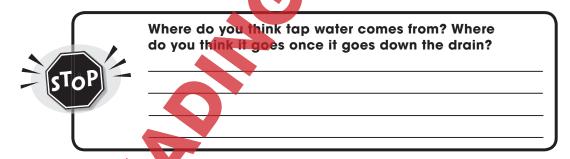




## The Water Cycle

retend there is a full glass of water sitting on your desk right now. Look at the water. Guess how old the water is. Have you ever thought about that? You might have just turned on the tap a minute ago. Does that make the water one minute old? No, it does not. The water might have fallen from the sky a week ago. That still does not make the water one week old. The water itself has been around pretty much as long as the Earth has. It is <u>very</u> old! Think way back to when life on Earth started. The water in your glass was part of the very first ocean. The Earth has an exact amount of water on it. When water goes around and around on our Earth, we call it the water cycle.





The water cycle is made up of four steps: evaporation, condensation, precipitation, and collection. **Evaporation** is the first step. The Sun heats up the water in lakes and oceans. The water turns into vapor or steam. **Condensation** is the next step. Water vapor in the air gets cold and turns back into a liquid. Clouds are formed! **Precipite** vapor in the air gets cold and turns back into a liquid. Clouds are formed! **Precipitation** happens when so much water has condensed that air cannot hold it anymore. Clouds let water fall back to Earth. This is rain and snow! Collection happens when precipitation falls back to Earth. Water goes into lakes and oceans. It may also fall onto land and soak into the Earth through the soil. Then the cycle starts all over again!

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## The Water Cycle

3. Circle if the statement is TRUE or if it is FALSE. If it is false, <u>rewrite the sentence</u> to make it true.

**F** a) Tap water might have fallen from the sky as rain water.

b) Water from the tap has just been created on Earth

T F c) The amount of water on Earth changes every day.

F d) Evaporation is the last step in the water cycle. It is when water falls back to Earth as rain or snow

e) The water cycle shows how water goes around and around on Earth.

#### **Extension & Application**

#### 4. WRITE A PLAY!

You are the newest play writer in Hollywood. You have a very important job to do. Five hundred people are coming to watch your play called "The Water Cycle" but you your play called "The Water Cycle" but you hundred people ar ming to w haven't written

You will write a play that will teach the audience how water cycles around on Earth. Create a CONVERSATION between the following characters/actors:

- Evaporation
- Condensation
- Precipitation
- Collection

Use your conversation to explain what happens to the "water" character at each of these stages in the water cycle. Pretend each stage is a character!

Be creative and use your own sense of humor. A funny play is an enjoyable play!







## **Build Your Own Ecosystem**

We have talked and read about so many ecosystems. Now it is time to build your own!

#### COLLECT THE FOLLOWING MATERIALS

- Gravel or small rocks
- Soil/dirt
- A jar or bottle (with a large enough top to put your hand into)
- A lid for your jar or bottle to seal it
- (you can seal it with tape if you think air can get into the jar)
- A few plants from the school yard or a garden
- Small animals from the garden (worms, snails, slugs, etc.)
- Wood, garden rocks or branches to ma like a real ecosystem



#### WHAT YOU WILL DO:

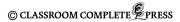
- 1. Put a large handful of gravel or s in the bottom of your jar.
- 2. Add a large handful of soil.
- 3. Plant the plants into the soil to choose plants that fit into your jar. If it's a small jar, only use small plants. If you put too many plants in, they will not survive!
- 4. If you think your ecosystem needs water, add a bit of water. Don't over water your ecosystem though!
- 5. This is the fun bit... choose some animals. Use anything you can find in the school yard or garden. Remember, choose small animals. You want these animals to survive!6. Close your ecosystem. Put the lid on or use tape to seal it.

#### Now it's time to record your observations!

#### ON A PIECE OF PAPER, record the following things:

- Size of your container (you may want to draw a picture of your ecosystem)
- Number and type of plants and animals you used
- How much soil you used
- What is happening in your system? Count your animals and record if your plants are growing. Have all of your plants and animals survived?

#### Have fun building your own ecosystem!





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NAME:

## Comprehension Quiz



Part A

#### Circle) the word True if the statement is true. Circle) the word False if it is false.

1. Most organisms are made up of millions of cells. There are also some organisms that are made up one cell



**False** True

2. A cactus, a human and an oak tree are all examples of single-celled organisms.

3. The cell's nucleus is like a front door. It controls everything that passes in and out of the cell.

False

cells which carry out specific 4. Most organisms are made up of many specials functions that support the life of the organic

True False

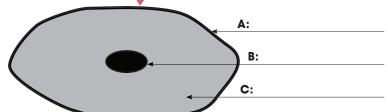
5. Meiosis and mitosis are two types of cell rep

6. Plant cells can only be found if celled organisms. Animal cells can only be found in multicellular org

#### Part B



On the diagram below, label the three main parts of a cell. Use the words in the list. cell membrane cytoplasm nucle



**SUBTOTAL:** 

136

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NAME:

### **Crossword Puzzle!**

#### Across

- 1 when things are divided into groups based on similarities
- a person who studies living things
- describes an animal that is able to stay at the same body temperature
- a single organism 10 the surroundings where an animal
- 12 a scientist that studies fossils

#### Down

- 1 an animal that cannot control their own body temperature
- 2 describes something where the left side is the mirror image of the right side
- 3 a living thing such as a plant or animal
- a physical feature that h been changed for surviv purposes
- the group of invertebrates including snails and slugs
- the change of populations of living organisms over time
- 11 an animal that has a backbone
- 13 energy that comes from the sun
- 14 the remains of an animal or plant that are preserved

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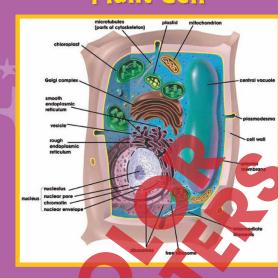


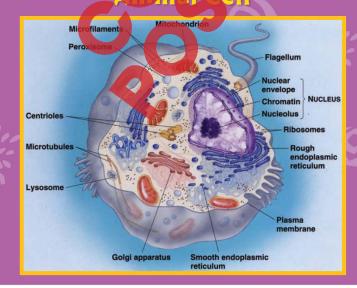
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## Plant & Animal Cells

. . . . . . . . . . . . . . . . .

## Plant Cell





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## After You Read

NAME:

## What Is a Cell?

#### Answer the questions in complete sentences.

- **3.** What is a **cell**?
- **4.** Can you see a cell with just your eyes? What do you need to use in order to see a cell? Use terms from the reading passage in your answer.
- **5.** Do all cells look the same? How might cells be different from each other?

### Extension and Application

#### 6. Pretend you are a LEGO PIECE!

You are part of a construction that a child is building.

Describe what your job is as a Lego piece. In this activity, think of building blocks as part of the Lego building. In your response, be sure to answer these questions:

### NGAN Who do you work with? ow do you depend on others?

- How do others depend on you?
- What would happen if you (the Lego piece) did not exist?
- 7. How does a CELL PHONE work? Are cells only found in plants and animals? Did you know that the word "cell" in "cell phone" is a short form of the word "cellular"?

You are an electronic researcher. Your task is to prepare a report on how cell **phones** work. Pretend that the person who will read your report knows very little about what a cell is, or how a phone works. Use various research tools such as the Internet or an encyclopedia to find information on this topic. Use your imagination to present it in a creative way!

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# Building block of life (smallest unit of living matter) No - microscope 5. No - different shapes, sizes, jobs to do

