### CHAPTER

2

### DIRECTED READING WORKSHEET

# It's Alive!! Or, Is It?

As you read Chapter 2, which begins on page 34 of your textbook, answer the following questions.

Imagine . . . (p. 34)

- 1. The creatures in the Movile Cave are different from most other life-forms on Earth because
  - a. their energy supply comes from hydrogen sulfide.
  - **b.** their energy supply comes from sunlight.
  - c. they use energy to fuel their life processes.
  - d. some of them eat their own young for energy.
- 2. According to the text, what will you study in this chapter?

### What Do You Think? (p. 35)

Answer these questions in your ScienceLog now. Then later, you'll have a chance to revise your answers based on what you've learned.

Investigate! (p. 35)

3. What is going to be observed in this activity?

Section 1: Characteristics of Living Things (p. 36)

- 4. What might you have in common with a slime mold?
- **5.** All organisms, including fish, trees, and mushrooms, share characteristics.

Name		Date	Class
	Chapter 2	, continued	
1 All I	Living Things Have Cells (p. 36)		
	pace provided, write $AT$ if the statem statement is sometimes true, and $N$ ie.		
6	A cell has a membrane that acts contents and its environment.	as a barrier between its	
7	<ul> <li>Complex organisms such as mor made up of a few hundred cells.</li> </ul>	ikeys and humans are	
8	Living things have more than on	ne cell.	
9	_ A cell is too small to be seen with	hout a microscope.	
10	A cell performs all the basic func	tions of life.	
11	<ul> <li>Cells perform specialized functio signals and movement.</li> </ul>	ns, such as transporting	<b>,</b>
<b>12.</b> Orga	Living Things Sense and Respondanisms respond to changes in their euli. What are three examples of stime	nvironments called	
take	chemical reactions that happen insignace in any other type of environm	•	
•	cle one.)		•
	en it is hot, your body sweats to main at 37°C. True or False? (Circle one.)	ntain a temperature of	
	Living Things Reproduce (p. 38)		
fema	pose the abalone reproduces by "broadle shoots eggs into the water, and the the water. Is this sexual or asexual re	ne male shoots sperm	
			tina

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Date Class

Chapter 2, continued

Name

4 All Living Things Have DNA (p. 38)

16. Deoxyribonucleic acid provides instructions for making

		Class
Cha	pter 2, continued	
<b>1</b> (p. 40)		
ose the term in Column B that best umn A, and write the corresponding		
ns can be used more than once.	s retter in the space pr	ovided.
Column A		Column B
3. eats other living organisms		a. producer
4. grass		<b>b.</b> consumer
5. breaks down nutrients in de	ead organisms	<b>c.</b> decomposer
uses energy from the sun or environment to make food	r the chemicals in the	
7. a salamander		
8. the microorganisms in Mov	rile Cave	ļ
<b>ter</b> (p. 40) The cells of cactuses, camels, and di		mately
<del>-</del>	nt water. at and the fluids you	•
The cells of cactuses, camels, and drawn percer.  You get water from the foods you expressions are supported by the control of the cells of cactuses, camels, and drawn percer.	nt water. at and the fluids you without water?	•
The cells of cactuses, camels, and definition percent percent from the foods you exhaus many days could you survive to the foods and foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you have to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you exhaus many days could you survive to the foods you have a food of the foods you have a food	nt water.  at and the fluids you without water?  From food, requires  on dioxide or oxygen	drink.
The cells of cactuses, camels, and definition of of cactuses,	nt water.  at and the fluids you without water?  From food, requires  on dioxide or oxygen	drink.
The cells of cactuses, camels, and definition percent from the foods you exhaus many days could you survive from the foods you exhaus many days could you survive from the foods you exhaus many days could you survive from the foods you exhaus many days could you survive from the food from the food you survive from the food during photosynthesis following EXCEPT	nt water.  at and the fluids you without water?  From food, requires on dioxide or oxygen	drink.
The cells of cactuses, camels, and definition percent for the foods you explored the many days could you survive for the foods you explored the many days could you survive for the food food for the food food for the food for the food for the food food food food food food food foo	at and the fluids you without water?  From food, requires on dioxide or oxygen alive. True or False?  is, green plants need a	drink.
The cells of cactuses, camels, and definition percent for the foods you explored the many days could you survive for the foods you explored the many days could you survive for the food food for the food food for the food for the food for the food food food food food food food foo	at and the fluids you without water?  From food, requires on dioxide or oxygen alive. True or False?  is, green plants need a ater.	drink.

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carbohydrates. (simple or complex)

Chapter 2, continued

15. Look at Figure 10. What does the warbler's song mean to other

Now that you've finished Section 2, review what you learned by

\_ Date \_\_\_\_\_ Class\_\_

Name\_

warblers?

Review (p. 41)

Nan	ne	······································	Date	Class			
***************************************		Chapter 2, cor	itinued	· · · · · · · · · · · · · · · · · · ·			
10.	In terms of c mashed pota	arbohydrates, what are you eatintees?	ng when you eat				
Lip	oids (p. 44)						
		following statements True or Fa	lse.				
		Lipids mix easily with water.					
		Some lipids store energy for the					
13.		Usually, animals store lipids in plants store lipids in the form of	the form of oil while of fat.				
14.		Special lipids, called phospholip brane that surrounds cells.	oids, form the mem-				
15.		When phospholipid molecules water, they form two layers.	come together in				
Nu	cleic Acids (	p. 45)					
16.	Why are nuc	leic acids called the blueprints o	f life?				
17.		contains information about how	v to make proteins,				
		·					
Th	e Cell's "Gas	<b>oline"</b> (p. 45)					
18.	3. All cell activities that require are fueled by a molecule called ATP.						
19.	9. Cells must transfer the energy in lipids to ATP before the cells						
	can use the e	nergy. True or False? (Circle one	.)				

## Review (p. 45)

Now that you've finished Section 3, review what you learned by answering the Review questions in your ScienceLog.