		Class						
hapter 2	The Nature of Living Things				Sec	Section Review 2-1		
	ete Table 1 by	iring NAS	if the object has yes if the objec	the characteri	stic of life and no if it is not a	no if it does live.	not have	
able 1	c. In the last co		, yes ij iiie oojo					
	One or More Cells	Uses Energy	Response or Movement	Adapted to Environment	Reproduces	Grows & Develops	Living?	
1. Oak tree								
2. Candle								
3. Car								
4. Turtle							-	
5. Clock		1000						
6. Bacteria								
7. Robot						3		
8. Cockroach								
9. Icicle		16. 10.						
orovided.			ponse for each o	of the following	. Write your ar	iswers in the	spaces	
	a mimosa plan							
			Respons				IONE ALICA	
			a dark room, yo				our eyes.	
			Respons			_		
3. Many flow	vers open durin	g the day a	nd close at nigh	t.				
Stimulus	<u> </u>		Respons	se				

Response _____

Stimulus _____ Response ____

5. Buds often fluff up their feathers when the weather is very cold.

Name		Section Review 2-1	Characteristics of Organisms (continued)
Chapter 2	The Nature of Living Things	Section no section	
Part C: (Classify each of the following as asexual ion and S for sexual reproduction in the	reproduction or sex spaces provided.	ual reproduction. Write A for asexual
1.	A housefly lays 100 eggs and each hate	ches into a larva.	
	You slice a piece of potato from a potat		
	A bacteria divides in half by a process		
4.	A cat gives birth to a litter of 6 kittens.	Each kitten looks di	fferent.
5.	A fisher cuts up a starfish and throws t as parts that the fisher threw back.	he parts back into the	e ocean. Soon, there are as many starfish
Part D:	Answer the following questions.		
1. Wha	at is the difference between a unicellular	organism and a mult	ticellular organism?
19 <u>4</u>			

Life Processes of Organisms

Part A: Decide which life process best matches each description. Write the letter in the space provided. Use the letters shown below.

D = digestion

I = ingestion

P = photosynthesis

C = chemosynthesis

E = excretion

T = transport

- ___ 1. A cell gets rid of carbon dioxide.
 - 2. Tubelike cells carry water to the leaves of a plant.
 - 3. You chew a carrot.
 - 4. A hydra uses its tentacles to bring a piece of food to its mouth.
- 5. food + energy \rightarrow CO, + H₂O + energy
- ____ 6. Bacteria make food using sulfur and not sunlight.
- 7. $H_2O + CO_2 + \text{sunlight} \rightarrow \text{glucose} + O_2$
- 8. In your stomach, food is broken down into smaller pieces.
- ____ 9. A plant's leaves give off oxygen and water.
- _____ 10. The mineral calcium is carried to your bone cells in your blood.

Part B: Decide how each of the organisms listed gets nutrients. In the spaces provided, write P if the organism makes its own food by photosynthesis. Write C if the organism makes its own food by chemosynthesis. Write A if the organism eats or uses other organisms as food. If an organism can make its own food and eats other organisms write B.

Oak tree

_ 6. Venus's fly trap

____ 2. Deep-sea bacteria

___ 7. Lion

3. Catfish

____ **8.** Tulip

____ 4. Mushroom

___ 9. Chicken

____ 5. Grass

____ **10.** Tapeworm

Name		c	lass	Date
Chapter 2	The Nat	ture of Living Thi	ngs	Section Review 2-3
Needs of O	rganisms			
	e space provid per temperature	Ct 1/2	rganism that is	s not being provided. Use air, water, living
<u>*** *** **** **** **** **** **** ****</u>		1. A polar bear that ha	as been moved	to a desert.
<u></u>		2. Fifty white mice in each day.	a pet store cag	e that is .5 x .5 m. The mice are fed
		3. Deer move into por ground for a long p		ecause heavy snow falls have covered the
	<u> 200</u>	4. A chipmunk curls u	ıp in its nest an	d sleeps through the winter.
		5. The population of o begin to starve.	leer in an area i	increases a lot one year. Many of the deer
<u></u>	120	6. A plant's leaves are clogged where gas		pollutant and the small openings get rs.
-		7. A fly is sealed in a	small plastic be	ox.
		8. The water in a tropi	cal fish aquari	um drops 10°.
		9. Many of the watering	ng holes on an	African plain dry up.
8				e polar bear compound is being enlarged aced in the compound.
Part B: Decide provided.	de whether or i	not each sentence is an ex	ample of home	ostasis. Write yes or no in the spaces
1,	A person pers	pires in hot weather.	20	
2.	A bicyclist sw	verves to avoid being hit b	у а сат.	
3.	Small leaf ope	enings, that get rid of exce	ess water, close	during a drought.
4.	A bird loses n	nany of its feathers in the	spring.	

5. You turn up the room thermostat when you are cold.

_____ 7. A cut on your skin heals rapidly.

_____ 8. A cat scratches its neck.

6. A German Shepherd dog sheds its fur during the summer.

Name _	er 2 The Nature of Living Things	Chapter Te
Multipl	e Choice	
In the sp	ace provided, write the letter of the answer that best completes each statement.	
1.	Which of the following is a characteristic of all organisms?	
	(a) absorb nutrients directly from the environment (b) use energy (c) carry on photosynthesis (d) are multicellular	
2.	The growth of a plant toward the sun is an example of	
	(a) a stimulus (b) chemosynthesis (c) a tropism (d) locomotion	
3.	The removal of waste products from the cells of an organism is	
	(a) transport (b) nutrition (c) respiration (d) excretion	
4.	The theory that living things could be produced from nonliving things is called	
	(a) Redi's theory (b) spontaneous generation (c) asexual reproduction (d) Pasteur's theory	
5.	The process of breaking down food into usable forms is called	
	(a) nutrition (b) chemosynthesis (c) ingestion (d) digestion	
6.	In cells, respiration produces	
	(a) oxygen (b) food (c) energy (d) glucose	
7	All of the following are life processes of organisms except	
	(a) reproduction (b) nutrition (c) respiration (d) excretion	
8.	During photosynthesis.	
	 (a) carbon dioxide is produced as a waste product. (b) glucose is broken down into carbon dioxide and water. (c) plants use sunlight as energy to produce glucose. (d) plants use chemical energy to produce chlorophyll. 	
9.	Fission and budding are two types of	
	(a) sexual reproduction (b) asexual reproduction (c) spontaneous generation (d) transport	
10.	The ability of an organism to keep conditions inside its body constant is called	
	(a) competition (b) hibernation (c) locomotion (d) homeostasis	
Fill In n the spac	re provided, write the word or words that best completes each statement.	
1. The p	rocess of taking food into the body is called	
	als must eat plants in order to obtain	
	isms get everything they need to survive from the	

14.	The period of time an organism lives is its life
15.	The struggle between organisms for the available living space in an environment is
	called
16.	Bacteria that live deep in the ocean use to make food.
If th	ne/Faise statement is true, write true in the space provided. If the statement is false, change the underlined word words to make the statement true.
<u>=</u>	17. During photosynthesis plants give off water and <u>carbon dioxide</u> as waste products.
	18. In <u>asexual</u> reproduction, cells from two parent organisms join to form a new organism.
	19. The production of saliva by a dog who smells its dinner is called a response.
	20. When environmental temperatures increase, the life processes of most organisms speed up.
	.1. Humans are <u>unicellular</u> organisms.
Pa	22. The life process of <u>transport</u> takes place when an organism eats and breaks down food. Int C: Answer the following questions.
1.	. Predict what would happen if a pea plant were placed in a dark closet for three weeks. Explain your answer.
2.	Why do organisms need food?
3.	a. Explain why respiration and photosynthesis are sometimes described as opposite processes.
	b. Give a simple formula for respiration and photosynthesis to illustrate your answer.