This section describes the characteristics of living things. It also explains how life can be studied at different levels.				
	troduction (page 16) What is biology?			
1.	writat is brology:			
Cł	naracteristics of Living Things (pages 16-20)			
	What is a cell?			
3.	Circle the letter of each sentence that is true about cells.			
	<b>a.</b> A cell is the smallest unit of an organism that can be considered alive.			
	<b>b.</b> A multicellular organism may contain trillions of cells.			
	<b>c.</b> A living thing that consists of a single cell is a multicellular organism.			
	d. Organisms are made up of cells.			
4.	What are two types of asexual reproduction?			
	a b			
5.	Living things are based on a universal			
	Circle the letter of each sentence that is true about living things.			
•	a. The life cycle of many organisms involves development.			
	<b>b.</b> For bacteria, growth is mostly a simple increase in size.			
	c. Each type of organism has a distinctive life cycle.			
	<b>d.</b> Cells may change in number but never differentiate.			
7.	Why does an organism need energy and a constant supply of materials?			
8.	What is metabolism?			

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

Class	Date
	pond to the environment in
nges over time is said to _	
0–21)	
with the focus of their study	•
<b>Focus of Study</b>	
a. Plants	
<b>c.</b> Animals	
below according to the lev	el of study represented.
	The state of the s
age 22)	ride about matters affecting
	nges over time is said to

Naı	me	Class	Date		
Section 19-2 Viruses (pages 478-483)					
	s section describes the structur se infection.	e of a virus. It also explains h	now viruses		
Wł	hat Is a Virus? (pages 478	<b>–479</b> )			
1.	What are viruses?				
2.	What do all viruses have in common?				
	<ul><li>3. Is the following sentence true or false? Most viruses are so small that they can be seenly with the aid of a powerful electron microscope</li></ul>				
	Circle the letter of what a v				
6.	1	e c. head d. et inside a cell?	lysis		
7.	What occurs when viruses	get inside of cells?			
o	Wiley are most views as highly	ly aposific to the calls the	infact?		
			infect?		
9.	What are bacteriophages?				

## Viral Infection (pages 480–481)

- **10.** Why is a lytic infection given that name?
- 11. Circle the letter of each sentence that is true about a lysogenic infection.
  - **a.** The virus lyses the host cell immediately.
  - **b.** The virus embeds its DNA into the host's DNA.
  - $\boldsymbol{c.}\,$  The virus's DNA is replicated along with the host cell's DNA.
  - ${f d.}$  A host cell makes copies of the virus indefinitely.