**c.** independent variable

**d.** experiment

Chapter			
1 The Study of Life, continued	<b>Reinforcement and Study Guide</b>		
	Section 1.2 The Methods of Biology		
1 your textbook, read about observing and hypothesizing.			
nswer the following questions.			
1. What is meant by <i>scientific methods</i> ?			
2. What is a hypothesis?			
<b>3.</b> How is a hypothesis tested?			
1 your textbook, read about experimenting.			
or each item in Column A, write the letter of the matching	g item in Column B.		
Column A	Column B		
<b>4.</b> A procedure that tests a hypothesis by collect information under controlled conditions	ing <b>a.</b> dependent variable		
<b>5.</b> In an experiment, the group in which all condare kept the same	ditions <b>b.</b> experimental group		

- **6.** In an experiment, the group in which all conditions are kept the same except for the one being tested
  - **7.** The condition that is changed by the experimenter
    - 8. The condition being observed or measured in an experimente. control group

Use each of the terms below just once to complete the passage.

experimental results scientific journals	experiment(s) theory	hypothesis valid		
When <b>(9)</b>	are report	rted in <b>(10)</b>		,
other scientists may try to (11)	the results by repeating the			
(12)	Usually when a(r	n) <b>(13)</b>		_ is supported
by data from several scientists, it is	s considered (14)		Over tir	ne, a hypothesis
that is supported by many observa	tions and experiments	becomes a <b>(15)</b>		·
Some well-established facts of nat	ure, such as gravity, ar	e recognized as (16) _		