Name	Class	Date

Skills Worksheet

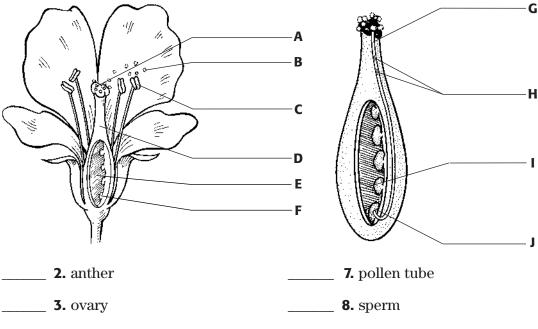
## **Section 2** Plant Processes ch 5

### **Section: Reproduction of Flowering Plants**

- 1. The largest and most diverse group of plants is
  - **a.** prairie grasses.
  - **b.** trees.
  - **c.** flowering plants.
  - **d.** shrubs.

#### **FERTILIZATION**

Match the labels to the parts of the drawing. Write the letters in the spaces provided. Some labels may be used more than once.



- \_\_\_\_\_ **4.** ovule \_\_\_\_\_ **9.** stigma
- \_\_\_\_\_\_ **5.** ovule containing egg \_\_\_\_\_\_**10.** style
- \_\_\_\_\_ **6.** pollen
- **11.** When pollen is moved from anthers to stigmas, \_\_\_\_\_ takes place.
- **12.** When sperm fuses with the egg inside an ovule, \_\_\_\_\_ takes place.

Directo	Cla	ass	Date
Directed	Reading A continued		
FROM FLO	OWER TO FRUIT		
<b>13.</b> After the seed.	ertilization takes place, the		develops int
<b>14.</b> After 1	ertilization takes place, the		becomes a f
FROM SE	ED TO PLANT		
<b>15.</b> What i	s a dormant seed?		
<b>16.</b> Define	the word germination.		
<b>17.</b> What	hree things do seeds need in ord	ler to sprout?	
OTHER M	ETHODS OF REPRODUCTION		
	ETHODS OF REPRODUCTION correct definition with the correct	ct term. Write t	he letter in the space
Match the provided.			he letter in the space a. plantlets b. tubers
Match the provided.	correct definition with the correct above-ground stems from which	n new plants	<b>a.</b> plantlets

Name	Class	Date

Skills Worksheet

# Section 3 Plant Processes ch 5

	Responses to the Environment ruli to which plants respond.
PLANT TROPISMS	
2. What is a tropism	n?
<b>3.</b> What is a positive	re tropism?
<b>4.</b> What is a negative	vo tranism?
	ve tropism:
For each description negative tropism.	listed, write whether it is an example of a positive tro
	<b>5.</b> plant growth in response to light
	<b>6.</b> shoot growth in response to gravity
	<b>7.</b> root growth in response to gravity

Name		Class	Date
Directed Reading	A continued		
8. A change in the d	_		caused by light is
<b>9.</b> Plant growth that	changes in res	ponse to the di	rection of gravity is called
SEASONAL RESPON 10. What would happ	SES	oomed during a	cold winter?
11. How do plants liv	ring in areas wit	th cold winters	detect the change in seasons?
12. Plants that flower	r when nights a	re long are call	ed
13. Plants that flower	r when nights a	re short are cal	led
<b>14.</b> What are the char	racteristics of e	vergreen trees?	,
<b>15.</b> What are the char	racteristics of d	eciduous trees'	?

2pts

2pts

Name	Class	Date

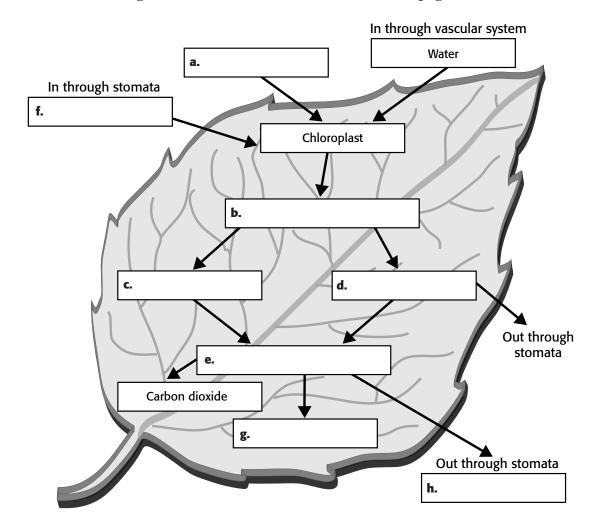
Skills Worksheet

### Reinforcement

#### A Leaf's Work Is Never Done

#### Complete this worksheet after you finish reading the section "Photosynthesis."

A plant makes food in its leaves. Complete the outline below by filling in the blanks in the diagram with the words at the bottom of the page.



#### Words

- photosynthesis
- cellular respiration
- sugar
- carbon dioxide

- water
- oxygen
- sunlight
- energy

Name	_ Class	Date
Skills Worksheet		

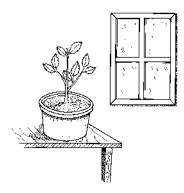
# Reinforcement

### **How Plants Respond to Change**

Complete this worksheet after you finish reading the section "Plant Responses to the Environment."

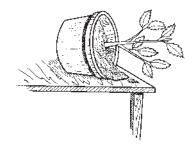
Although plants don't walk and talk, they do respond to stimuli in their environment. Plants respond to stimuli by growing in a particular direction. Plant growth away from a stimulus is a negative tropism. Plant growth toward a stimulus is a positive tropism.

**1.** The plant shown below has just been moved next to a window from a room with no direct light. Sketch what the plant will look like in a few days.



#### In a few days

- **2.** Phototropism is a change in the growth of a plant in response to light. Is phototropism positive or negative?
- **3.** The plant shown below has just been tipped over on its side. Sketch what the plant will look like in a few days. (Hint: The plant will respond to gravity.)



#### In a few days

**4.** Gravitropism is a change in the direction of the growth of a plant in response to gravity. Is gravitropism of most shoot tips positive or negative?