

Name

Period

Date

SECTION
20.1

ORIGINS OF PLANT LIFE



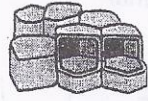

Power Notes

CHAPTER 20
Plant Diversity

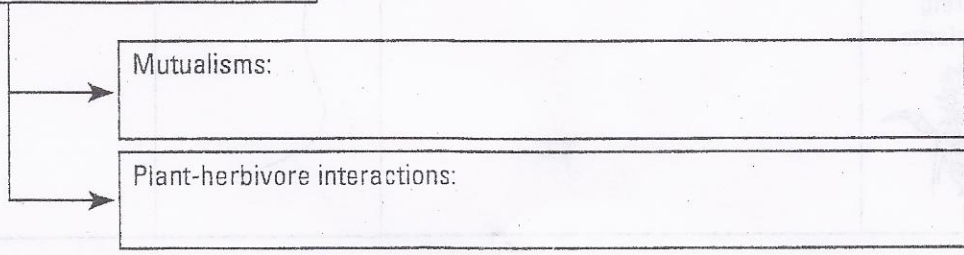
Characteristics that plants and green algae share:

Common ancestor of all plants:

Challenges and Plant Adaptations to Life on Land

Challenge	Adaptation(s)	Image
		
		
		
		

Plants Evolve with Other Organisms



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Name

Period





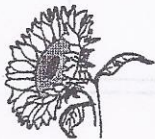
Date

SECTION
20.2

CLASSIFICATION OF PLANTS
Power Notes

CHAPTER 20
Plant Diversity

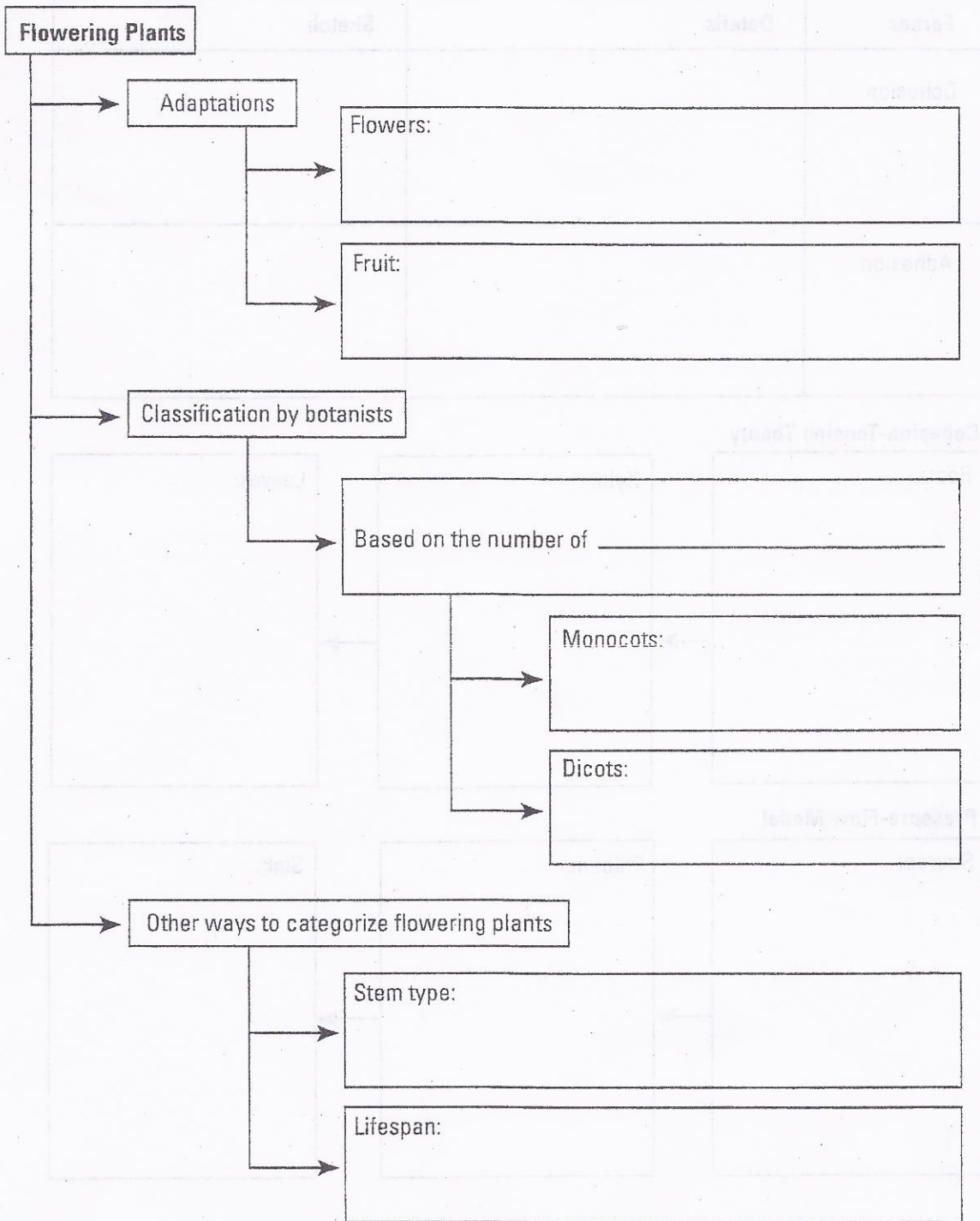
Plant Classification

Plant Group	Characteristics	Phylum Names	Common Names
Seedless nonvascular plants 			
Seedless vascular plants 			
Cone-bearing seed plants 			
Flowering seed plants 			

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SECTION
20.3

DIVERSITY OF FLOWERING PLANTS
Power Notes



Name _____

Period _____

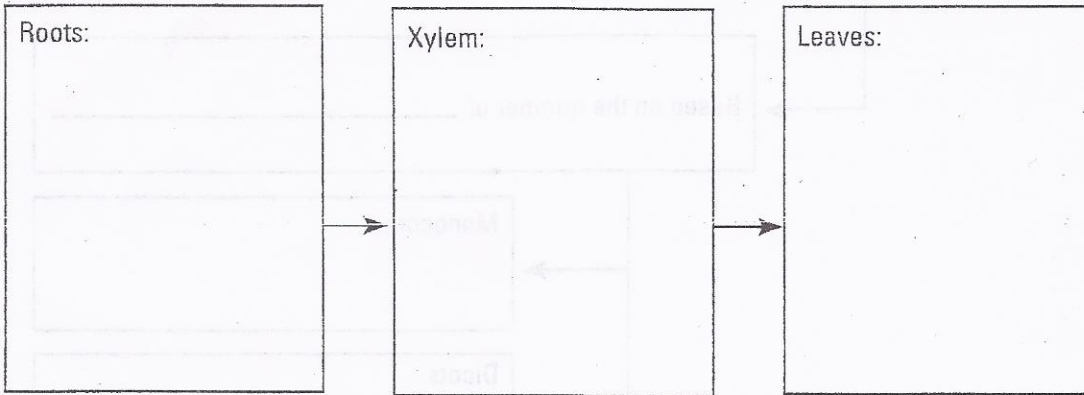
Date _____

SECTION
21.2

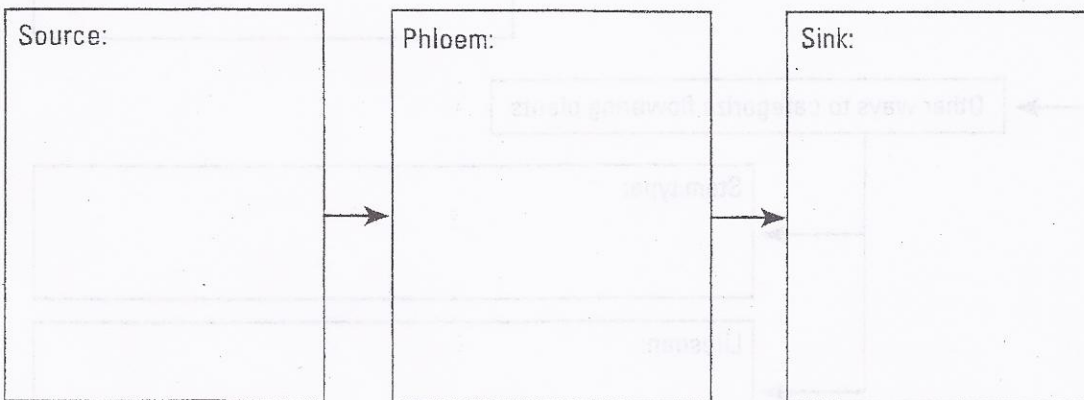
THE VASCULAR SYSTEM
Power Notes

Forces	Details	Sketch
Cohesion		
Adhesion		

Cohesion-Tension Theory



Pressure-Flow Model



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CHAPTER 21
Plant Structure and Function

Name _____

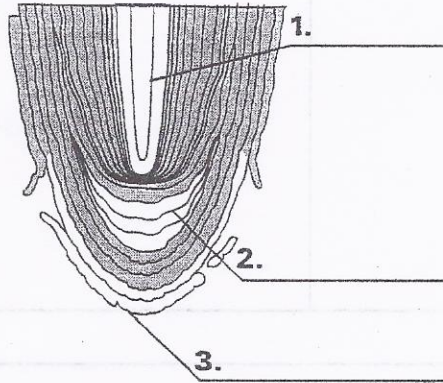
Period _____

Date _____

SECTION
21.3 | **ROOTS AND STEMS**
Power Notes

Functions of Roots: _____

Parts of a Root



Types of Roots

Fibrous Root	Taproot

Function of Stems: _____

Specialized Stems

Cactus: _____

Potato or ginger: _____

Strawberry: _____

Primary Growth	Secondary Growth

Tree rings: _____

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CHAPTER 21
Plant Structure and Function

Name _____

Period _____

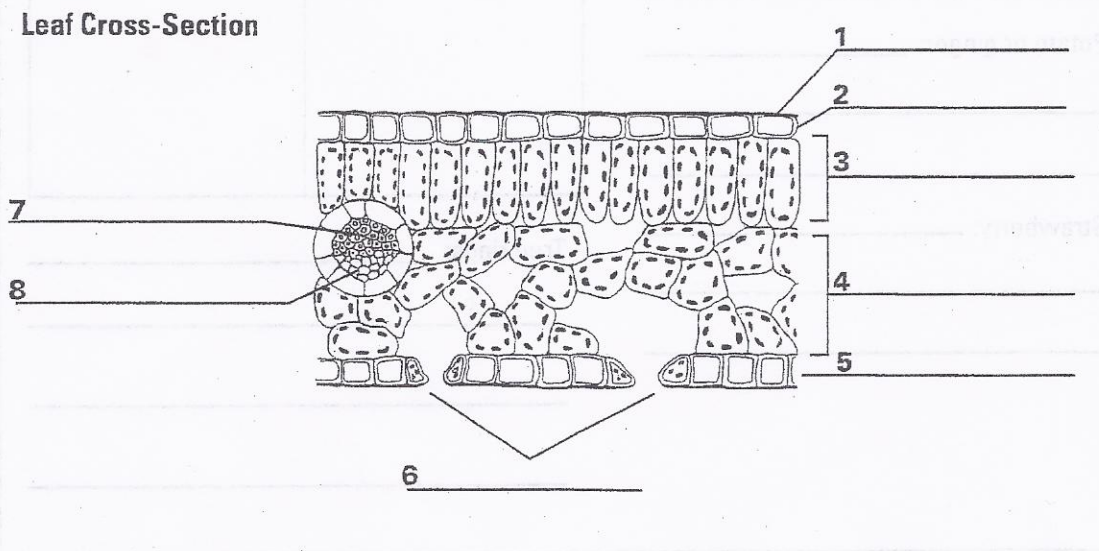
Date _____

SECTION
21.4

LEAVES
Power Notes

Parts of a Leaf	Guard Cells	
	Open stoma:	Closed stoma:

Leaf Characteristics		
Leaf type:	Leaf veins:	Leaf margin:



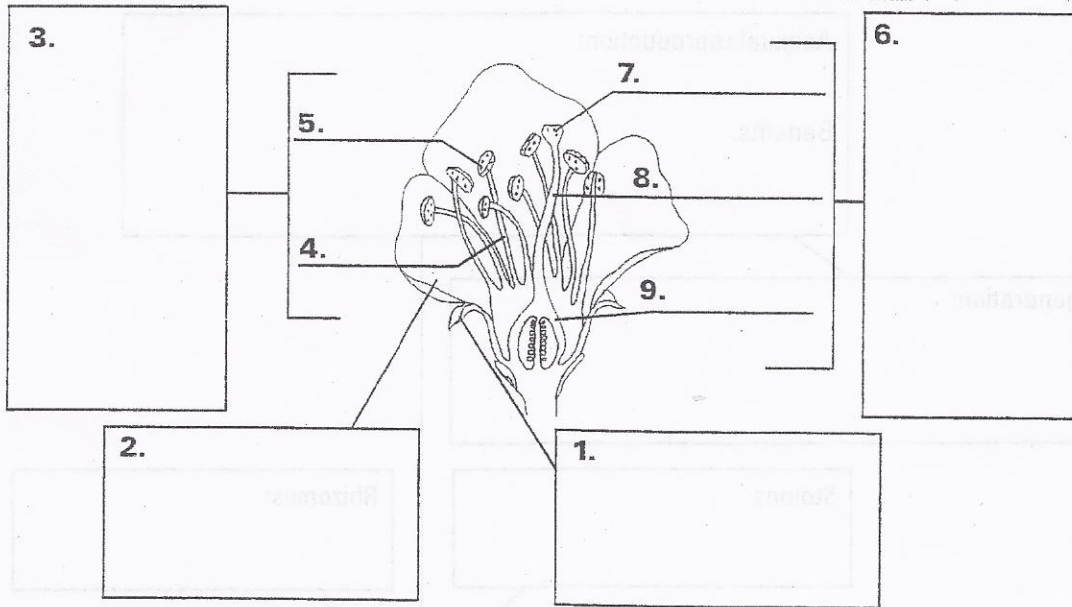
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CHAPTER 21
Plant Structure and Function

SECTION
22.2

REPRODUCTION IN FLOWERING PLANTS

Power Notes



Production of gametophytes:

Male:

Female:

Production of male and female spores

Growth of new mature sporophyte

Seeds and fruit:

Pollination:

Sperm and egg formed.

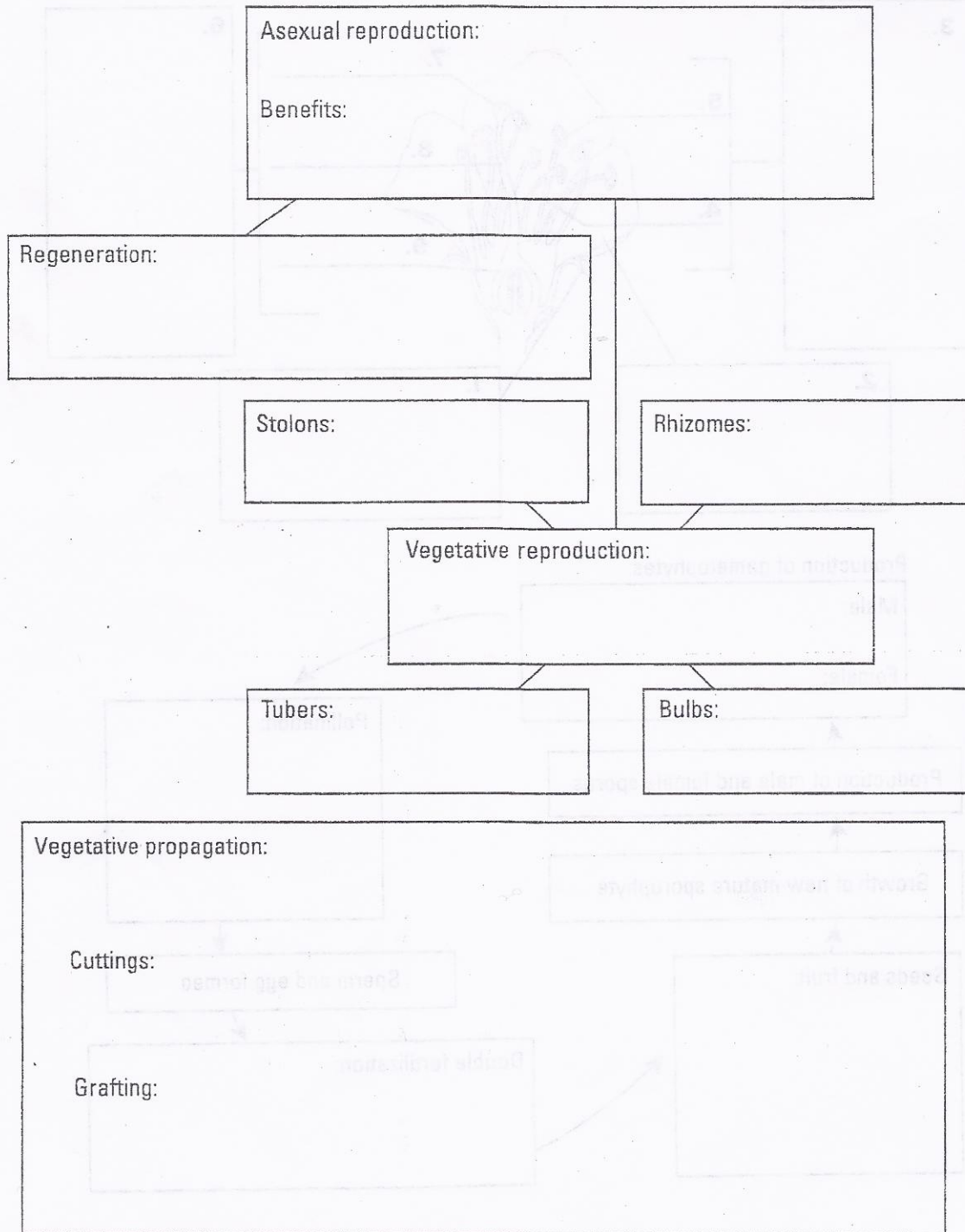
Double fertilization:

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CHAPTER 22
Plant Growth, Reproduction

SECTION
22.4

ASEXUAL REPRODUCTION
Power Notes



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CHAPTER 22
Plant Growth, Reproduction

Name

Period

Date

SECTION
22.5

PLANT HORMONES AND RESPONSES
Power Notes

Gibberellins:

Ethylene:

Plant Hormones:

Cytokinins:

Auxins:

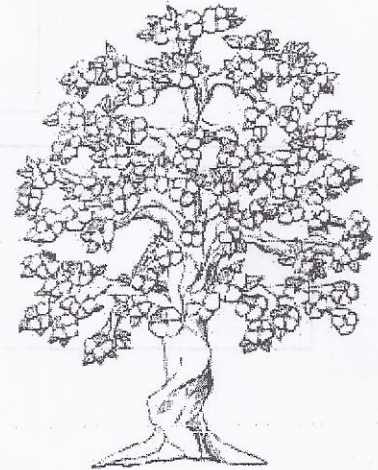
Pla

- 1. Flowering agent
- 2. Has 2 seed leaves
- 3. Has 1 seed leaf
- 4. "Water seed"
- 5. Absorbs nutrients
- 6. Openings for gas exchange
- 7. Transports food
- 8. Transports water
- 9. Type of stem found on trees
- 10. Reproductive organ of plants
- 11. Insects that help pollinate
- 12. Photosynthetic organ
- 13. Process by which plants make their food
- 14. Protects the flower
- 15. Main root (small roots branch from it)
- 16. Vase covering
- 17. Closes the seeds (develops from ovary)
- 18. Male part of the flower
- 19. Female part of the flower
- 20. Evaporation from leaves

Botany Wordsearch

Name: _____

M R E P S O I G N A P G T W V A B U
 G U W X C T C T N H O R E P A E P J
 N M S O M X P U L E A U L P E W H F
 C S R T O T U O I N M J C S Z L O L
 S W S E I D E N S T U A I W H P T O
 O C J U P M Y P O M X B T K M S O W
 R Y R Y H S I C F A E L U S B S S E
 L F R P I R O Y M Q C H C Q U C Y R
 D W A M A N T N T S X U D K X J N H
 J Y L T O F C A M O J P R D Y A T J
 H V I M U S L U P Y O P L G L B H F
 T O L I T S I P C R G R I F E M E Z
 N R I B X G V B L K O X P T M B S L
 U C S T O M A T A E K O Y O Q U I J
 A O T S E P A L H V U M T C B F S Z
 D T K U S G K Q A Y P O B I S V I N
 H O X Q R J Z J Y M Y O H D A A Q G
 W Q K E K C D E C I W X J G Z A Z B



1. Flowering plant _____
2. Has 2 seed leaves _____
3. Has 1 seed leaf _____
4. "Naked seed" _____
5. Absorbs nutrients _____
6. Openings for gas exchange _____
7. Transports food _____
8. Transports water _____
9. Type of stem found on trees _____
10. Reproductive organ of plants _____
11. Insects that help pollinate _____
12. Photosynthetic organ _____
13. Process by which plants make their food _____
14. Protects the flower _____
15. Main root (small roots branch from it) _____
16. Waxy covering _____
17. Encloses the seeds (develops from ovary) _____
18. Male part of the flower _____
19. Female part of the flower _____
20. Evaporation from leaves _____