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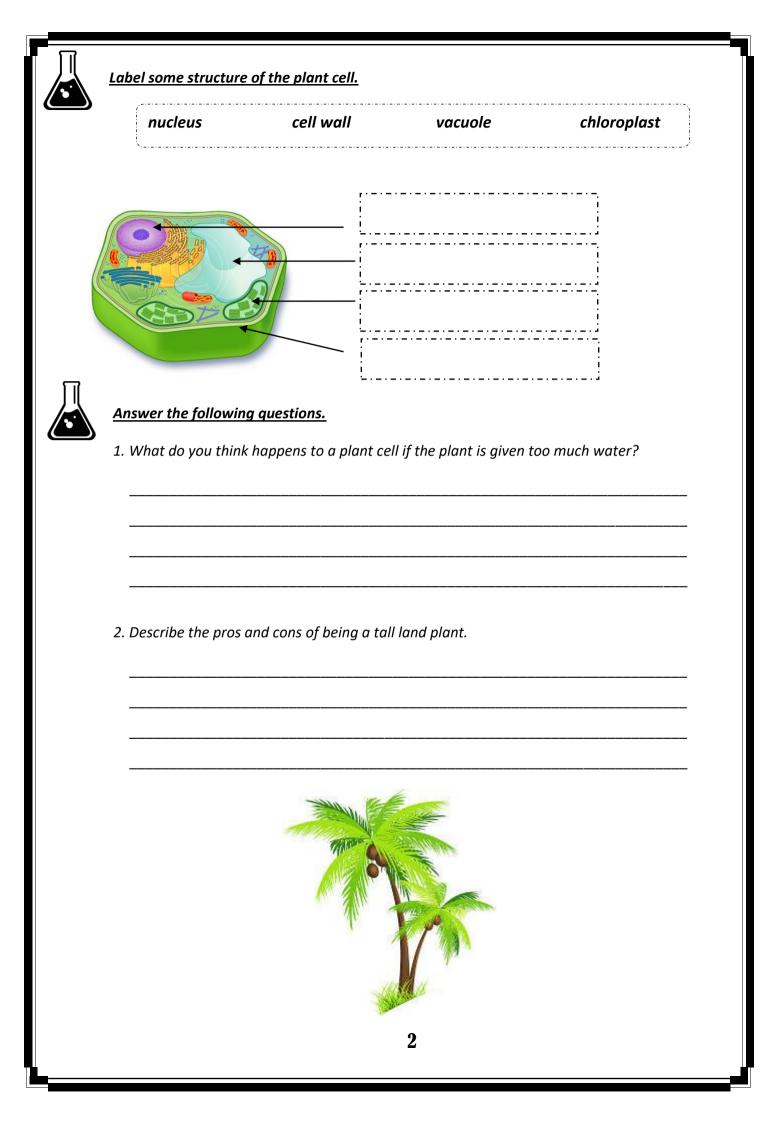


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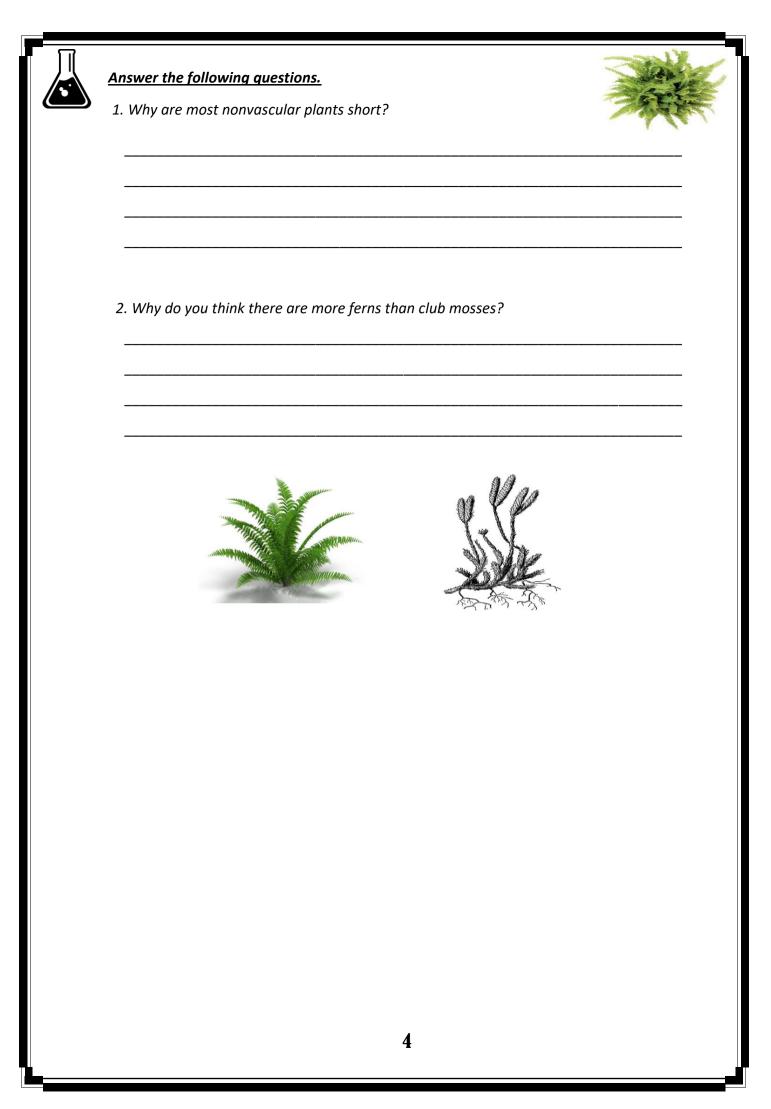
	Chapter 1
Name	:: Date:
Lesson	1: What is a Plant? (use with pages 8 – 13)
	Fill in the blank to complete each statement.
	1. A group of similar cells that perform a specific function is called a(n)
	2. The internal transporting system through which water, minerals, and food move inside the
	plant is called
	3. A(n) is a structure inside a plant's cell in which food is made.
	4. The process by which plants make food is called
	5. A(n) is a waxy, waterproof layer that covers the leaves and stems of
	most plants.
	6. The sac inside a plant cell where water, wastes, and food are stored is called a(n)
	·
	7. The green pigment called is necessary to the food-making process in plants.
П	plants.
	<u>Understanding Main Ideas: If the statement is true, write true. If the statement is false,</u> change the underlined word or words to make the statement true.
	1. The <u>cell wall</u> helps a plant retain water.
	2. During photosynthesis, plants produce <u>carbon dioxide</u> .
	3. The green pigment found in specialized plant structures is called chlorophyll.
	4. The system of tube-like structures inside a plant through which water, minerals, and food move is called <u>root</u> tissue.
	5. Nearly all plants are <u>unicellular</u> .
	6. The energy for photosynthesis comes from the <u>sun</u> .
	PhotoSynthesis S released S released S released S formed S formed



Name:	

Chapter

Date: **Lesson 2: Classifying Plants** (use with pages 14 – 23) Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column. 1. cotyledon a.) a thin, rodlike structure that anchors a moss plant and absorbs water and nutrients 2. rhizoid b.) a seed leaf 3. frond c.) the leaf of a fern d.) structures that contain cells that will later become 4. pollen sperm cells Modified True or False: If the state<u>ment is true, write true. If the statement is false, change</u> the underlined word or words to make the statement true. 1. Seedless vascular plants use **spores** to reproduce. _____2. The young leaves of some *hornworts* are known as fiddleheads. 3. The vascular tissue that conducts water and nutrients in a plant is phloem. ____4. All flowering plants are <u>gymnosperms</u>. 5. The root like structures that anchor a moss plant and absorb water and nutrients are called *rhizomes*. _____ 6. <u>Angiosperm</u> species outnumber all other land plant species by about seven to one. Classify the given structures of plants as DICOT or MONOCOT. Write D for dicot and M for monocot. Multiples of 3 4 or 5 One cotyledon Two cotyledo ibrous roots Vet-like veins Parallel veins 3



Date:

a.) the process by which water evaporates from a plant's leaves

b.) the process by which an embryo grows and pushes out of a

e.) the transfer of pollen from male reproductive structures to

d.) the young plant that develops from a fertilized egg

f.) the layer of a woody stem that produces new xylem

Lesson 3: Plant Structures (use with pages 24 – 33)

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

c.) colorful, leaf like structure of a flower

seed

1. cambium

2. petal

3. germination

4. embryo

5. transpiration

6. sepal

7. pollination

g.) rounded tip that protects a growing root

female reproductive structures

h.) leaf like structure that protects a bud

8. root cap



Fill in the blank to complete each statement.



2. A flower bud is protected by leaf like structures called

1. Seed ______ is the scattering of seeds.

3. The ______ protects the root as it grows through the soil.

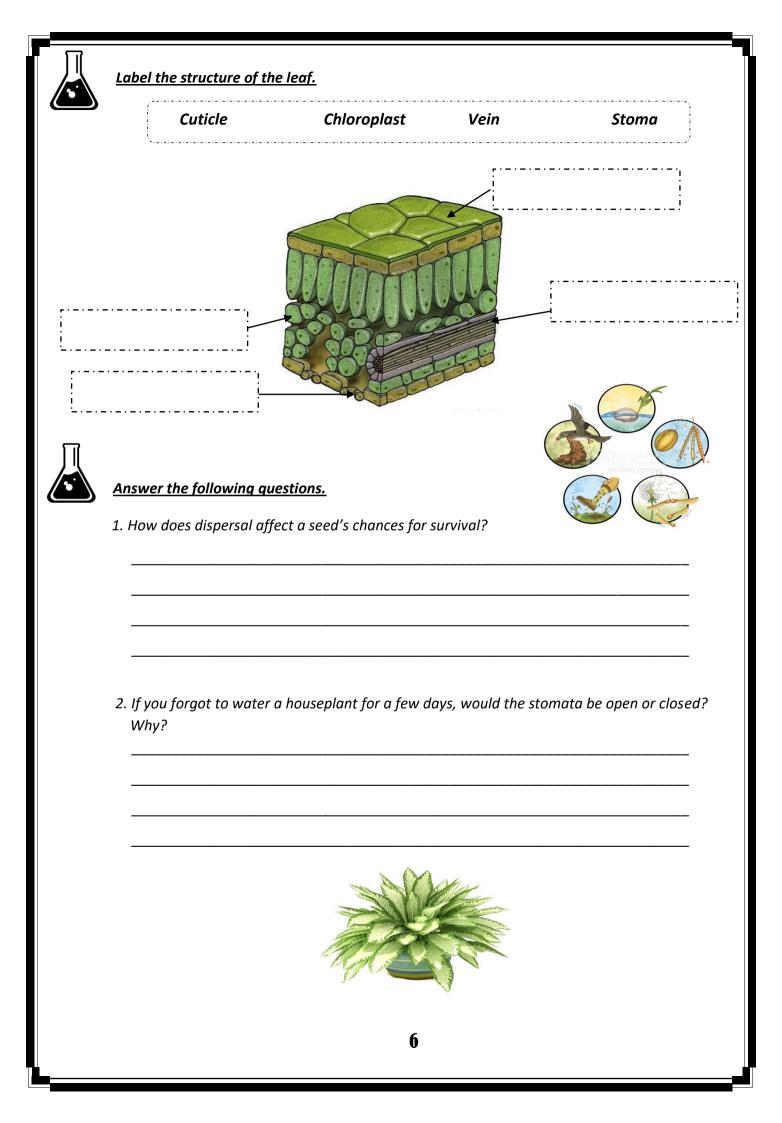
4. A tree has 24 light rings and 24 dark rings. The tree is ______ years old.

______ on the surface of a leaf controls the movement of gases into and out 5. of the leaf.

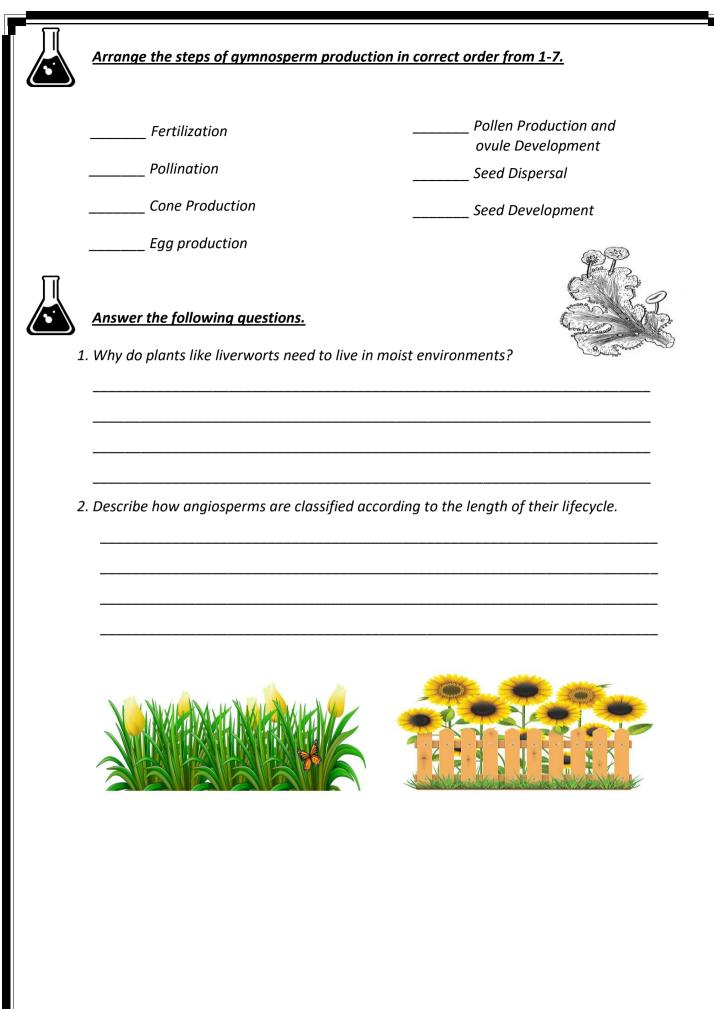
6. The hollow structure at the base of a pistil that protects seeds as they develop is the

5





	Chapter 1
Name	: Date:
Lesson	4: Plant Reproduction (use with pages 34 – 41)
	Fill in the blank to complete each statement.
	1. A fertilized egg is called a(n)
	2. When pollen lands on the stigma of a flower, occurs.
	3. A(n) is a ripened ovary.
	4. A plant that lives for two years and flowers in the second year is called a(n)
	5. The reproductive structure of a gymnosperm is the
	6. Egg cells develop inside a structure called a(n)
	Modified True or False: If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true. 1. The gametophyte produces spores. 2. Most gymnosperms produce both male and female fruit. 3. After a pollen grain lands on the stigma of a flower, a(n) pollen tube grows down into the ovule.
	4. The female sex cell is the sperm.
	5. Animals that eat fruits help to pollinate their seeds by depositing them in new areas.
	6. Grafting is an example of asexual reproduction.
	$\overline{7}$



Name:_____

Date: _____

Lesson	5: Plant Responses and	Growth? (use with pages 42 – 47)
	<u>Match each term with its defi</u> right column on the line besid	nition by writing the letter of the correct definition in the left column.
	1. critical night length	a.) a hormone that controls a plant's response to light
_	2. auxin	b.) a plant that flowers when the nights are shorter than a critical length
		c.) a plant's growth response toward or away from a stimulus
-	3. short-day plant	d.) a chemical that affects the growth and development of a
_	4. long-day plant	plant
	5. hormone	e.) a plant whose flowering cycle is not sensitive to periods of light and dark
-	6. day-neutral plant	f.) a plant that flowers when the nights are longer than a critical length
-		g.) the number of hours of darkness that determines whether or not a plant will flower
_	7. Tropism	
	Modified True or False: If the	statement is true, write true. If the statement is false, change to make the statement true.
	———————————————————————————————————————	emicals produced by a plant that control its growth and velopment are called <u>hormones</u> .
		lant's roots grow away from a rock they hit in the soil. This is an ample of a positive thigmotropism.
		lorophyll speeds up that rate at which a plant's cells grow and ntrols a plant's response to light.
		e critical night length for a certain plant is 10 hours. This plant will ower only when nights are shorter than 10 hours.
		plant adaptation that helps it survive freezing temperatures and a new figure of liquid water is dormancy .



Answer the following questions.

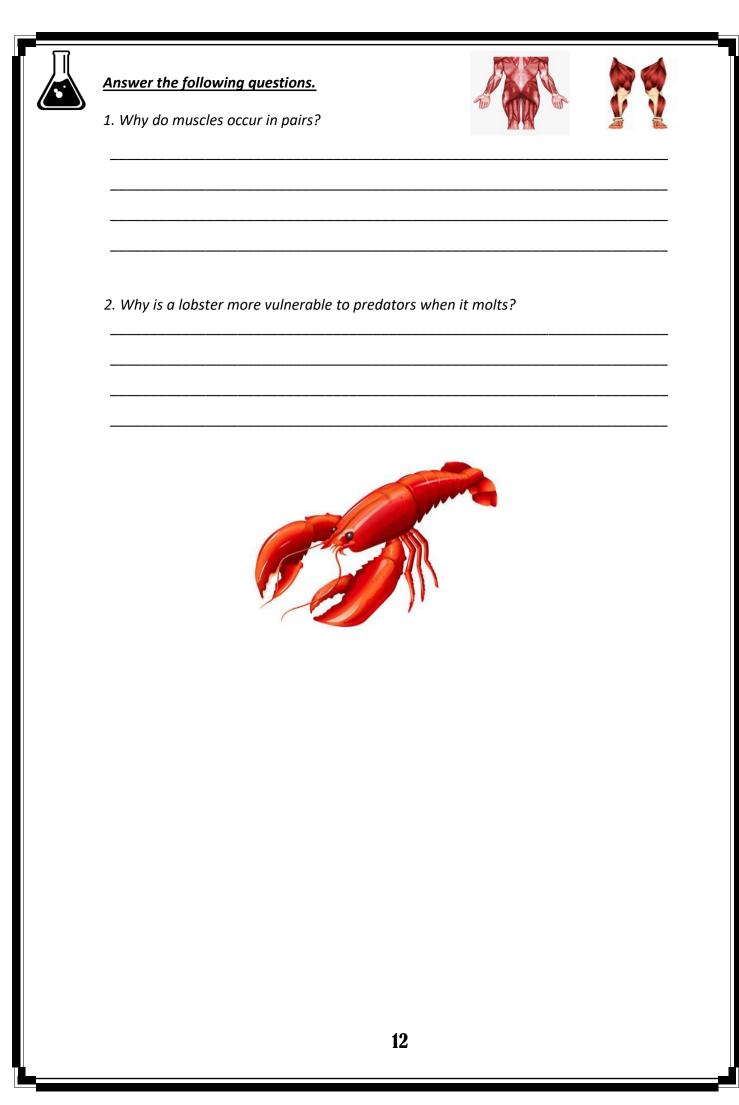
1. Why do the leaves of some trees change color in autumn?



2. What do you think would happen if a plant did not create enough of the hormone that controlled flower formation?

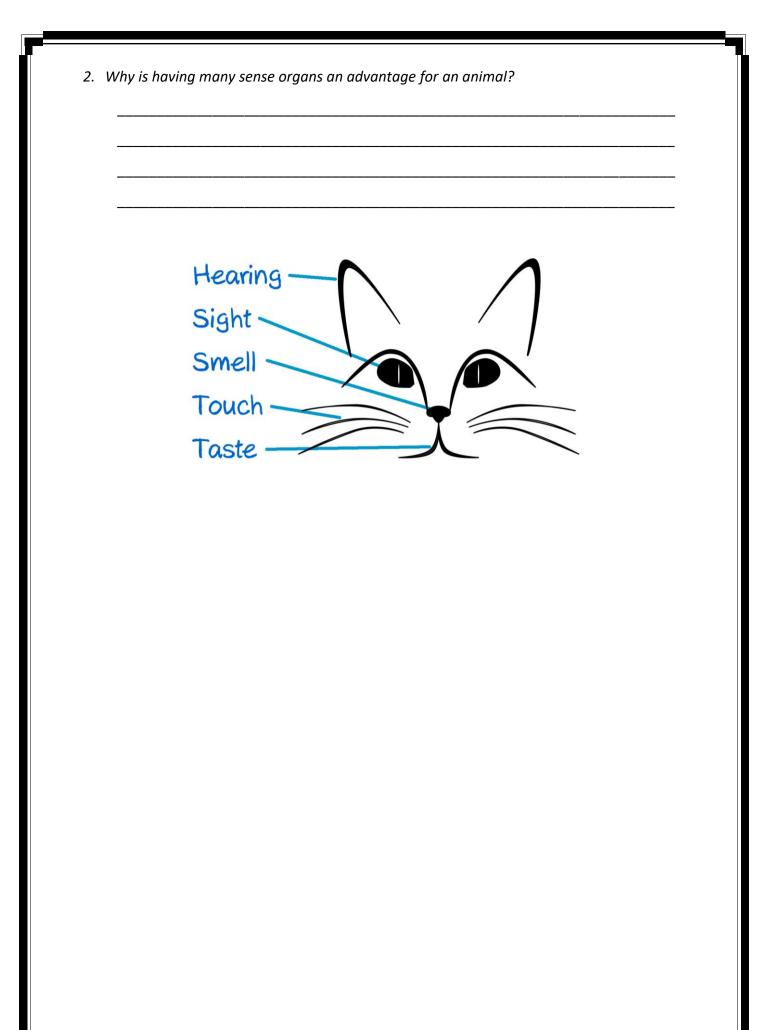


	Chapter 2
Name	: Date:
Lesson	1: Skeletons and Muscles (use with pages 64 – 69)
	Fill in the blank to complete each statement.
	1. Tissues that contract or relax to create movement are
	2. A shark's endoskeleton is made up of, which is a tissue that is more flexible than bone.
	3. A(n) is a place where two or more parts of skeleton meet.
	4. During, an arthropod sheds its exoskeleton to grow a new one.
	<u>Modified True or False: If the statement is true, write true. If the statement is false, change</u> <u>the underlined word or words to make the statement true.</u>
	1. Some <u>muscles</u> are parts of an organ.
	2. When a muscle <u>relaxes</u> , it becomes shorter.
	3. Cartilage is <u>less</u> flexible than bone.
	4. During molting arthropods shed their skeletons in order to grow.
	5. <u>Mollusks</u> have spike like structures among their cells instead of skeletons.
E T	6. A jellyfish skeleton is made up of fluid-filled cavities surrounded by <u>air</u> .
	Compare and contrast Endoskeleton and Exoskeleton using the Venn diagram below.
	Endoskeleton Both 11

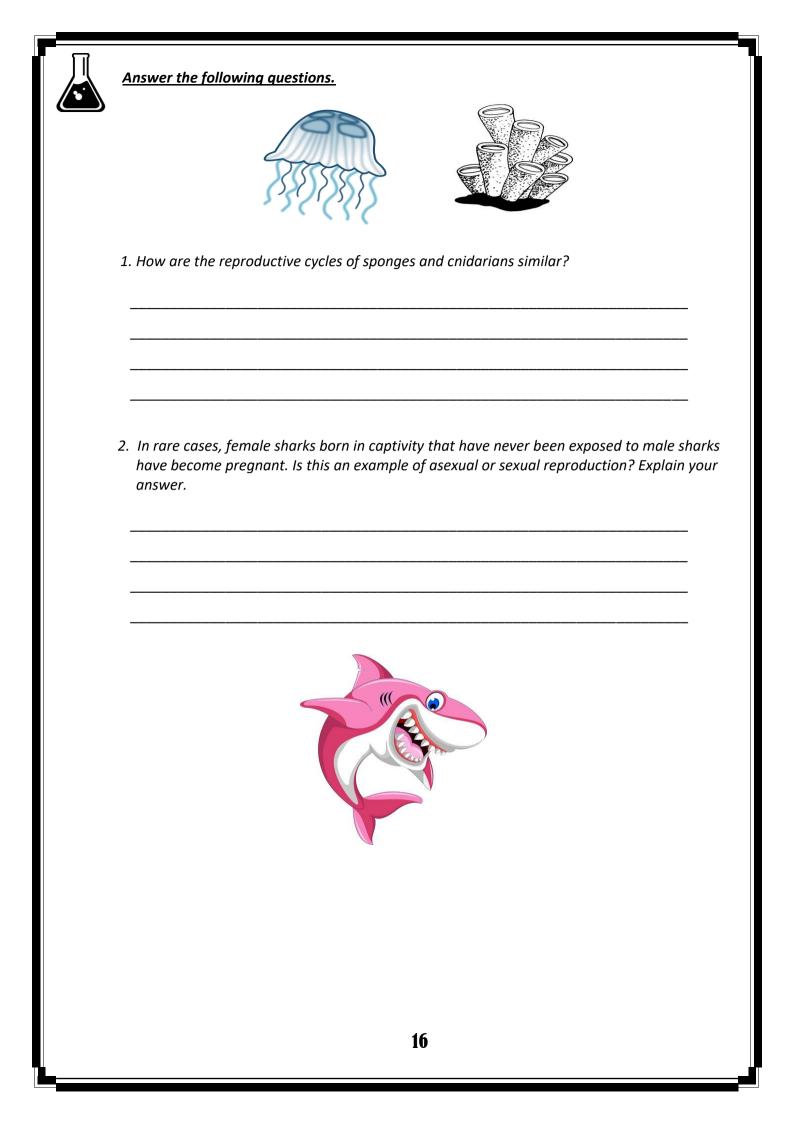


ame:	Date:
son	2: The Nervous System (use with pages 70 – 75)
Ì	Fill in the black to complete each statement
	<i>Fill in the blank to complete each statement.</i> 1. A(n) is an animal's reaction to a stimulus.
	2. The is the part of a complex animal's nervous system that receives information, interprets it, and controls the animal's response.
	3. Eyes and ears are examples of organs.
	4. The odor of baking bread is an example of a(n)
	5. A(n) is an electrical message that travels through the nervous syste
	2. A(n) <i>brain</i> is a nerve cell with a unique structure for receiving and passing on information.
	3. Blinking in bright light is an example of a(n) <u>response</u> .
	4. A(n) <u>ear</u> is a sense organ that detects stimuli in the form of sight.
	5. An impulse is sent through the body as a(n) electrical signal.
	Answer the following questions.
	1. How are animals with many sense organs able to process many stimuli at the same time?





	Chapter 2
Name	: Date:
Lesson	5: Animal Reproduction and Fertilization (use with pages 101 – 107)
Д	Fill in the blank to complete each statement.
	1 reproduction requires only one parent organism.
	2. Most vertebrates and most invertebrates reproduce
	3. Sponges reproduce asexually when a new sponge grows from a parent and breaks off in a process called
	4 may occur either inside or outside the female organism's body.
	5. External fertilization usually occurs inso that the egg and sperm cells do not dry out.
	Modified True or False: If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.
	1. <u>Sexual</u> reproduction requires a mate.
	2. Offspring from asexual reproduction have different DNA than the parent(s).
	3. A(n) polyp is a cnidarian body form that looks like an open umbrella.
	4. <u>Internal</u> fertilization occurs inside the female organism's body.
_	5. The length of time between fertilization and birth is called the fertilization period.
	Compare and contrast external and internal fertilization using the venn
	diagra
	External fertilization Both Internal fertilization
	15



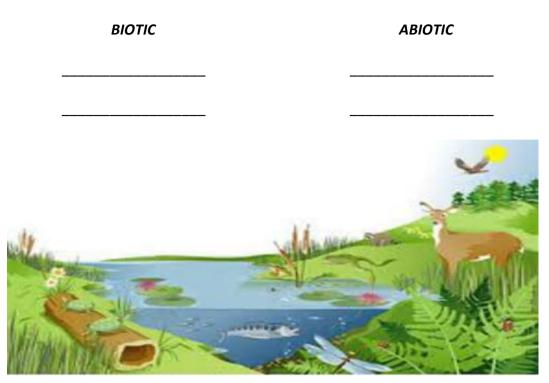
		Chapter 3		
e:_		Date:		
1 1	: Living Things and the Envi	ronment (use with pages 130 – 135)		
	Circle the letter of the correct and			
_	<u>Circle the letter of the correct answer.</u>			
1	I. Which of the following lives in a <i>a. grass</i>	c. oak tree		
	b. mushroom	d. woodpecker		
	2. Which of the following is a biot			
	a. temperature	c. bacteria		
	b. sunlight	d. water		
	3. Which of the following lists the l	levels of an ecosystem in order from largest to smallest?		
	a. population, organism, community, ecosystem			
	b. ecosystem, community	v, organism, population		
	c. organism, community,	population, ecosystem		
	d. ecosystem, community	ν, population, organism		
4	4. An organism gets food, water, shelter, and other things it needs to live, grow, and reproduce from its			
	a. population	c. abiotic factors		
	b. habitat	d. species		
_	the underlined word or words to m 1. The nonline biotic fac 2. The study their env 3. A group o	ving things that interact with an organism are called c <u>tors</u> . of how living things interact with each other and ironment is called <u>ecology</u> . of organisms that can mate with each other and		
_	<u>species</u> . 4. Oxygen is	ffspring that can also mate and reproduce is called a an abiotic factor in the environment that is for plants to make their own food.		
	-	anisms that live in a particular area and their		

- nonliving surroundings make up an <u>ecosystem</u>. 6. All the members of one **community** living in a part.
- 6. All the members of one **<u>community</u>** living in a particular area make up a population.



Answer the following questions.

1. List two biotic and two abiotic factors in the given image below.



2. Name two biotic factors in your habitat and explain how your life would be different without them.

Factor

Affect

3. How do living things affect one another?

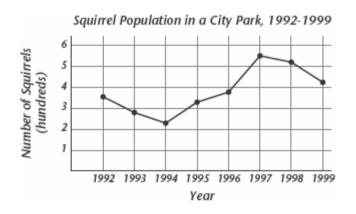
-	Chapter 3			
Name	: Date:			
Lesson 2: Populations (use with pages 136 – 143)				
	Fill in the blank to complete each statement.			
	1. Water and food are examples offor populations.			
	2. If an area has all the wolves that it can support, the wolf population has reached its			
	3. A population can decrease due to deaths or			
	4. If animals cannot find enough places to build nests, it is because is a limiting factor for the population.			
	5. A flood that covers and meadow and drowns animals and a late frost that kills young plants are examples of how can affect the size of a population.			
	Modified True or False: If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.			
	1. The size of a population increases if the number of individuals added to the population is <u>equal to</u> the number of individuals leaving the population.			
	2. Immigration means moving <u>out of</u> a population. 3. Three coyotes per square kilometer is an example of <u>population</u> <u>density</u> . 4. If foxes arrive in an area and catch and eat a large number of			
_	rabbits, the foxes are causing an increase in the <u>birth rate</u> of the rabbit population. 5. Sunlight can be a limiting factor for populations of <u>plants</u> .			
	Answer the following questions.			
	1. A vegetable garden is 12 meters long by 7 meters wide. It is home to 168 mice. What is the population density of the mice?			
	19			

2. What are two ways that the size of a population can increase? What are two ways that the size of a population can decrease?

3. Identify three limiting factors that can prevent a population from increasing. Explain how each factor limits a population's size.



The line graph below shows how the size of the squirrel population in a city park changed over time. Use the line graph to answer questions 4–6.



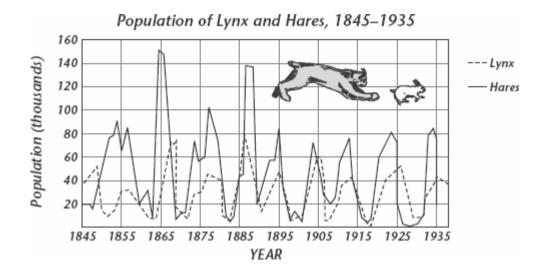
- 4. Over which time period(s) did the squirrel population increase?
- 5. Over which time period(s) did the squirrel population decrease?
- 6. In which year did the population reach its lowest point? What was the size of the population that year?



		Chapter 3		
Name	:	Date:		
Lesson	3: Interactions An	nong Living Things (use with pages 144 – 153)		
	Circle the letter of the correct answer.			
	1. When a snake kills a shrew, the shrew is the			
	a. host	c. predator		
	b. prey	d. parasite		
	2. An example of an adaptation that helps a prey species avoid being caught i			
	a. claws	c. sharp teeth		
	b. mimicry	d. poisonous stingers		
	ism in its habitat is its			
	a. host	c. niche		
	b. prey	d. adaptation		
	4. A relationship in which two species live closely together and both benefit is			
	a. mutualism	c. parasitism		
	b. predation	d. commensalism		
	Modified True or False: If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.			
		1. In <u>natural selection</u> , individuals whose unique characteristics are well- suited for an environment tend to survive and produce more offspring.		
		2. Adaptations are behaviors and social characteristics that allow organisms to live successfully in their environments.		
		3. A grackle and a sparrow try to eat from the same ear of corn in a field. This is an example of <u>mutualism</u> .		
		4. The two main kinds of interactions among organisms are competition and <u>adaptation</u> .		
		5. An increase in a predator population will likely result in a <u>decrease</u> in the prey population.		
		6. Dwarf mistletoe is a plant that grows into the bark of a tree to obtain water and nutrients. The mistletoe is a parasite .		



<u>The line graph below shows how the populations of lynx and snowshoe hares has changed</u> <u>over time. Use the line graph to answer questions 1 - 3.</u>



1. When the hare population increased, what happened to the lynx population? Why?

2. How do you think an increase in the lynx population affected the hare population? Why?

3. What other factors could have caused a decrease in the hare population?



