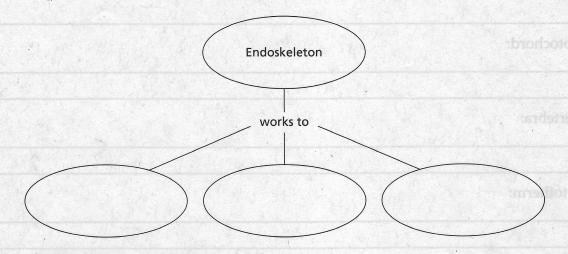
Na	Name Date C	lass
Fis	Fishes, Amphibians, and Reptiles • Guided Reading and Study	
	What is a Vertebrate? (pp. 368–371) This section explains the characteristics of animals with backbones.	het is a Ver
Us	Use Target Reading Skills	
Ter Ter	After you read the section, reread the paragraphs that contain definitions of Terms. Use all the information you have learned to write a definition of each Terms in your grounds haloss.	f Key h Key
no	notochord:	
i k		
vei	vertebra:	
_		
ect	ectotherm:	
eno	endotherm: (XE-XXE gg) skdair and it	eaping Cond
	tits environment.	o annietadius).
Ch	Characteristics of Chordates (pp. 368–369)	
	18 (14명) 전 18명이 보고 있다면 보고 있는데 18명이 18명이 18명이 18명이 18명이 18명이 18명이 18명이	c, reptile d, mammal
	Smiretto	What is an ect
2.	2. A flexible rod that supports an animal's back is called a(n)	
3.	3. Is the following sentence true or false? In vertebrates, part or all notochord is replaced by a backbone.	of the
4.	4. Is the following sentence true or false? Pouches in the throat are disappear before birth in all chordates.	a

Fishes, Amphibians, and Reptiles • Guided Reading and Study

What Is a Vertebrate? (continued)

Characteristics of Vertebrates (pp. 369–370)

- The backbone is formed by many similar bones, called , which are lined up in a row.
- A vertebrate's backbone is part of a(n) ______, or internal skeleton.
- 7. Complete the concept map to show the functions of the endoskeleton.



Keeping Conditions Stable (pp. 370–371)

- 8. Circle the letter of each animal that has a body temperature close to the temperature of its environment.
 - a. bird
 - b. fish
 - c. reptile
 - d. mammal
- **9.** What is an ectotherm?
- **10.** Is the following sentence true or false? A turtle has the same body temperature when it's lying in the sun and when it's swimming in a cool river.
- 11. An animal whose body regulates its own temperature by controlling the internal heat it produces is a(n) _

A revible codyliat supports an animal's pack is called a(n)

Nar	ne	ann FS	Date	Class
Fisl	nes, An	nphibians, and Re	eptiles • Guided Readin	ng and Study
	body ta. spinb. furc. swed. care	emperature. nes eat glands tilage		This section describes the three groots one, and how people use fish. Use Target Reading Skills
13.	Is the t	following sentence of environments	e true or false? Ectotherms than endotherms can.	can live in a greater
			ructure of a Figh	de la companya de la
				Q. What is a swim bladder?
			op. 375–377)	Characteristics of Fishes (1. What is a fish?

Name	Date	*Class
Fishes, Amphibians, and Rep	otiles • Guided Readin	g and Study
Fishes (pp. 374–380)	ons that help endotherms	
This section describes the three soxygen, and how people use fish		se their gills to get
Use Target Reading Skil	ls	
Before you read, preview the diag questions that you have about th read, answer your questions.		
	Structure of a Fish	
Q. What is a swim bladder?		
A.		
Q.		
A.		
Characteristics of Fisher	s (pp. 375–377)	
1. What is a fish?		
2. Circle the letter of each c a. gills	haracteristic of fishes.	
b. endotherm		

d. ectotherm

Na	me Date Class
Fis	hes, Amphibians, and Reptiles • Guided Reading and Study
3.	Fishes get oxygen from
4.	Most fishes have fertilization; the eggs are fertilized outside of the female's body.
5.	Circle the letter of each sentence that is true about fishes.
	 a. Fins help fishes swim by providing a large surface area to push against water. b. Fishes have an open circulatory system. c. Fishes cannot see well in water. d. Fishes have keen senses of touch, smell, and taste to help them catch food.
6.	Is the following sentence true or false? No fishes give birth to live young.
lav	wless Fishes (p. 377)
7.	List three groups of fishes. a
	d. rielp the ush stay upright in the wall
Q	Circle the letter of each centence that is true shout involves fishes
0.	Circle the letter of each sentence that is true about jawless fishes. a. Jawless fishes do not have scales.
	b. Jawless fishes have skeletons made of bones.
	c. Sharks are jawless fishes.
	d. Some jawless fishes are parasites.
Ca	rtilaginous Fishes (p. 378)
9.	The skeletons of cartilaginous fishes are made of
10.	Circle the letter of each characteristic of cartilaginous fishes.
	a. jawsb. skeletons made of cartilagec. scalesd. bones

Name	Date	Class
Fishes, Amphibians, and Reptil	es • Guided Reading	g and Study
Fishes (continued)		
11. Is the following sentence transfer herbivores.	ue or false? Cartilaginou	ıs fishes are all
12. How do rays and skates ob	tain food?	
		againsi water
Bony Fishes (pp. 379–380)		c. Fishes cannot see well in d. Hishes have keen senses
Match the parts of bony fishes v	with their functions.	
Part ************************************	Function	In the following sentence tru
13. fins	a. Helps st	abilize the fish at different
14. scales	depths in	n the water
15. gill pocket	b. Cover the each oth	ne body by overlapping er
16. swim bladder .	c. Holds th	ne gills
		e fish stay upright in the wate

Name

Date

Class

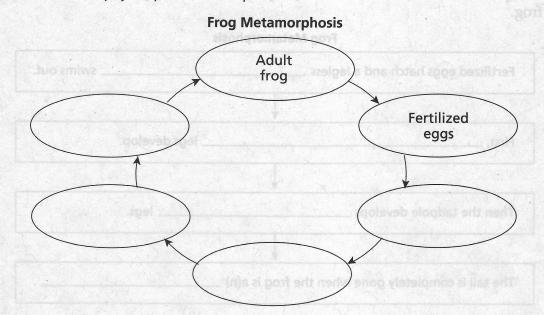
Fishes, Amphibians, and Reptiles • Guided Reading and Study

Amphibians (pp. 382–386)

This section describes the characteristics of amphibians.

Use Target Reading Skills when the Market to and sheather and the last of the

As you read, fill in the cycle diagram below to show the different stages of a frog's life cycle. Write each step of the process in a separate circle.



What Is an Amphibian? (pp. 382-383)

1.	What	is an	amphibian?

Nar	me	Date	Class
Fisl	hes, Amphibians, and Reptile	es • Guided Read	ling and Study
An	nphibians (continued)		Amphibians (or asz-a
2.	Amphibians with long, slender bodies that keep their tails as adults are called		
3.	Is the following sentence true metamorphosis during deve	e or false? Most amp elopment	hibians undergo
4.	Complete the flowchart to sl frog.		
		Frog Metamorphosis	
	Fertilized eggs hatch and a	legless	swims out.
	boylitte	\	A Transfer of the
	First,		_ legs develop.
	A TOP TO THE TOP TO TH		The state of the s
	Then the tadpole develops		legs.
		\	
	The tail is completely gone	when the frog is a(n) $_$) <u></u>
Liv	ring on Land (pp. 384–386	o) year can	og) SnaidiríomA na ai Jadi
5.	Circle the letter of each sente on land.		
	 a. Adult amphibians have l b. Adult amphibians have a c. A land animal must have against the pull of gravit d. Adult amphibians have a land. 	n two-chambered hea e a strong skeleton to y.	support the body
6.	How do salamanders get food?		

7. List two ways that a frog's coloring is helpful.

es, Amphibians, and Reptiles How are frogs and toads adapt	Guided Reading	and Cturch.
		ana Stuav
DOW ARE TROOP and toade adams		
riow are mogs and toads adapt	ed for hopping and	leaping?
मांग्रह दिवस स्वयंत्र कार्यात विवास	that emilie repulles to	entitud describes adaptations
	Shirtain to equary	totam and tuoch allot acta if
A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SHEEL PHILIPPING SPEED
An animal'swhich it lives.	is the speci	fic environment in
and the second second second second beautiful and the second seco		write the main idea in the g
The destruction of amphibian _ populations of amphibians to d	agraga	is causing
Why are amphibians especially	sensitive to changes	in the environment?
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Television	extros of heldely's of solitons.
42 Carlos Carlos Anno Anno Anno Anno Anno Anno Anno An		
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Name	Date	Class

Fishes, Amphibians, and Reptiles • Guided Reading and Study

Reptiles (pp. 387–394)

This section describes adaptations that enable reptiles to live their entire lives on land. It also tells about the major groups of reptiles.

Use Target Reading Skills

As you read the information under the heading titled Adaptations for Life on Land, write the main idea in the graphic organizer below. Then write three supporting details that give examples of the main idea.

Detail	Detail *	Detail
		,

Na	Name	Date	Class
Fis	Fishes, Amphibians, and Reptiles	Guided Reading	and Study
A	Adaptations for Life on Land ((pp. 388–389)	(hamming) colles
1.	1. What is a reptile?	true or false? All ena	
	ikes have venom glands.	true or false? All sna	1. Is the following sentence
2.	2. Circle the letter of the animal thaa. snakeb. alligatorc. lizardd. salamander	t is NOT a reptile.	2. Describe how snekes mor
3.	to be well adapted to live their er	ntire lives on land.	
4.	(1985년 198 <u>2년</u>) 등은 사용하다. (1986년 1987년 1		 Is the following sentences: relatives are the <u>largest lis</u>
5.	5. What are two functions of a repti		t. Complete the Venit diagra between alligators and or
6.	6. How do the kidneys keep reptile	s from losing water?	IIIA - L
7.	7. What adaptations does a reptile's	s egg have to keep it	from drying out?
	Lizards and Snakes (pp. 390-39	MASSES AND	Broad, rounded snouts
8.	8. What characteristics do both liza	rds and snakes have	
9.	 9. Circle the letter of each character a. no legs b. eyelids c. external ears d. kidneys 	istic that snakes hav	e.

Fishes, Amphibians, and Reptiles • Guided Reading and Study

Reptiles (continued)

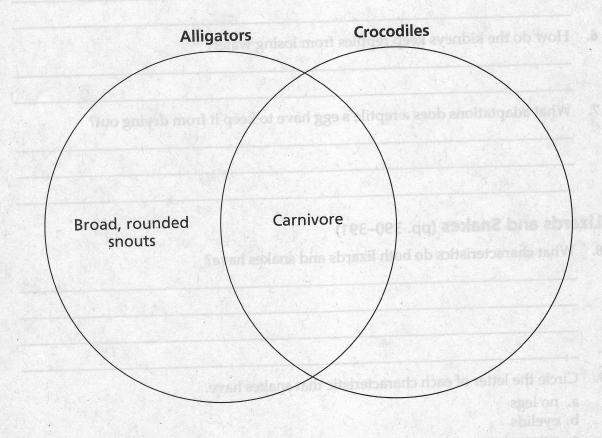
10. Is the following sentence true or false? All snakes are carnivores.

11. Is the following sentence true or false? All snakes have venom glands.

12. Describe how snakes move.

Alligators and Crocodiles (p. 392)

- 13. Is the following sentence true or false? Alligators, crocodiles, and their relatives are the largest living reptiles.
- **14.** Complete the Venn diagram to show the similarities and differences between alligators and crocodiles.



It is a fossil? In the letter of each sentence that is true about fossils. One fossils are imprints in rocks One fossils are the remains of bones or other parts of living things letter most living tissue decays rapidly, many organisms are preserved as itselfs. Letter organism has been preserved as a tossil.	Iar	ne <u>a de la </u>	Date	Class
5. Is the following sentence true or false? All turtles can pull their head, legs, and tail inside their shell. 7. Instead of teeth, turtles have sharp-edged 8. Circle the letter of each sentence that is true about dinosaurs. a. Reptiles—The Dinosaurs (p. 394) b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. 9. Some biologists think that descended from certain small dinosaurs.	isł	nes, Amphibians, and Reptil	es • Guided Rea	ading and Study
5. What is a turtle? 5. Is the following sentence true or false? All turtles can pull their head, legs, and tail inside their shell. 7. Instead of teeth, turtles have sharp-edged	ur	tles (p. 393)		eolate History in
legs, and tail inside their shell. 7. Instead of teeth, turtles have sharp-edged 7. Instead of teeth, turtles have sharp-edged 8. Circle the letter of each sentence that is true about dinosaurs. a. Reptiles became extinct about 65 million years ago. b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. 9. Some biologists think that descended from certain small dinosaurs.	5.			
legs, and tail inside their shell. 7. Instead of teeth, turtles have sharp-edged 7. Instead of teeth, turtles have sharp-edged 8. Circle the letter of each sentence that is true about dinosaurs. a. Reptiles became extinct about 65 million years ago. b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. 9. Some biologists think that descended from certain small dinosaurs.				litings have charged over time.
Attinct Reptiles—The Dinosaurs (p. 394) 3. Circle the letter of each sentence that is true about dinosaurs. a. Reptiles became extinct about 65 million years ago. b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. b. Some biologists think that	6.	Is the following sentence trulegs, and tail inside their sh	ue or false? All turtl	les can pull their head,
a. Reptiles became extinct about 65 million years ago. b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. Some biologists think that descended from certain small dinosaurs. (100 - 100	7.			
a. Reptiles became extinct about 65 million years ago. b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. c. Some biologists think that descended from certain small dinosaurs. descended from certain small dinosaurs.	xt	inct Reptiles—The Din	osaurs (p. 394)	Question
b. Some dinosaurs might have been endotherms. c. Dinosaurs were the earliest vertebrates to have legs positioned directly under their bodies. d. Most carnivorous dinosaurs walked on four legs. D. Some biologists think that	18.	Circle the letter of each sent	ence that is true ab	out dinosaurs.
certain small dinosaurs. The letter of each sentence that is true about fossils one fossils are imprints in rock. The letter of each sentence that is true about fossils one fossils are imprints in rock. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils. The letter of each sentence that is true about fossils.		b. Some dinosaurs might hasc. Dinosaurs were the earling directly under their bodi	ave been endothernest vertebrates to ha	ns. ave legs positioned
The letter of each sentence that is true about fossils. If the letter of each sentence that is true about fossils. If the letter of each sentence that is true about fossils. If the letter of each sentence that is true about fossils. If the letter of each sentence that is true about fossils. If the letter of each sentence is true about fossils. If the letter of each sentence is true about fossils. If the letter of each sentence is true about fossils. If the letter of each sentence is true about fossils.	9.		19 19 19 19 19 19 19 19 19 19 19 19 19 1	descended from
It is a fossil? In the letter of each sentence that is true about fossils. One fossils are imprints in rocks One fossils are the remains of bones or other parts of living things letter most living tissue decays rapidly, many organisms are preserved as itselfs. Letter organism has been preserved as a tossil.				
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				That is a fossil?
at are two ways that sediments can build up?				

e	Date Class
es, Amphibians, and Rep	ptiles • Guided Reading and Study
rtebrate Histo	ory in Rocks (pp. 395–399)
section explains how fossils g things have changed over	s form and how scientists use fossils to infer how r time.
Target Reading Skil	
[19] [18] 그리지 4.1 [1] [1] 그리고 하는 1 [18] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1	how questions for each heading. As you read, write
nswers to your questions.	Vertebrate History in Rocks
Question	Answer
How do fossils form?	l'eptiles becane extanct about 65 mi non years ago.
•	Some dinosaurs might have been endotherms.
Danomeod s	Unosatis were the earliest vertebrates to have legs directly under their bodies
	Most carnivorous dinosaurs walked on four legs.
descended from	me biologists think that
F = -x ₀	
A STATE OF THE STA	
at Are Fossils? (pp. 3	396–397)
What is a fossil?	
Circle the letter of each o	sentence that is true about fossils.
a. Some fossils are impr	
b. Some fossils are the r	remains of bones or other parts of living things.
c. Because most living t served as fossils.	tissue decays rapidly, many organisms are pre-
	been preserved as a fossil.
Fossils occur most frequ	iently in rock.
What are two ways that	sediments can build up?

Then find the words hidden in the puzzle and circle them. Words

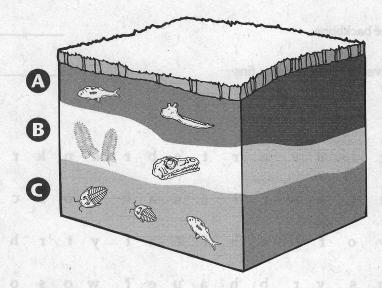
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Is the following sentence true or false? When the traces of living things are trapped in sediments, they are sometimes preserved as fossils.

Interpretation of Fossils (pp. 398–399)

- Scientists who study extinct organisms, examine fossil structure, and make comparisons to present-day organisms are called Air animal where body controls its own temperature
- What can scientists learn from studying fossils?
- Which rock layer in the diagram below is the oldest and which is the youngest?

Youngest layer: Oldest layer: ____



What other method do scientists use to determine the age of a fossil?