









Thank you for choosing Crystal Springs LIVE!

Crystal Springs Preserve and WaterVentures Florida's Learning Lab are committed to bringing quality environmental education programs to teachers and parents. Our programs are aligned with NGSSS and SNF standards to align with topics taught in classrooms. Each program has been created with the student in mind and conveys important environmental topics in a fun and engaging manner. Additionally, supplemental activities, vocabulary lists, pre/post tests and more are offered to provide an all-encompassing program for students in and out of the classroom.

For those of you unfamiliar with Crystal Springs or WaterVentures, we invite you to explore our websites. (www.crystalspringsfoundation.org and www.waterventures.us). Crystal Springs Preserve is a 530-acre living laboratory that is dedicated to bringing directed learning opportunities to visitors through immersion into the pristine habitat of the preserve. WaterVentures was created to extend this learning throughout the state of Florida. As a high-tech mobile learning lab, WaterVentures brings those same fun and engaging environmental programs to schools free of charge. Both are devoted to inspiring guests to be responsible environmental stewards of Florida's precious natural resources.

We hope you enjoy our virtual programs and please do not forget to check out the offerings of Crystal Springs Preserve and WaterVentures!

Happy learning!





What You OTTER Know Pre/Post Test

1)	River otters are aquatic mammals.
	a. True
	b. False
2)	River otter babies are called 'pups.'
	a. True
	b. False
3)	Otter dens are called
	a. Houses
	b. Holts
	c. Cottages
	d. Apartments
4)	River otters can dive up to
	a. 500 feet
	b. 300 feet
	c. 100 feet
	d. 60 feet
5)	River otters eat
	a. Fish
	b. Crayfish
	c. Frogs
	d. All of the above
6)	How many 'pups' does an otter have?
	a. 2-3
	b. 5-7
	c. 8-10
	d. 20
7)	Pups (baby otters) enter the water when they are about 6 weeks old.

a. Trueb. False





- 8) Otters are born knowing how to swim.
 - a. True
 - b. False
- 9) How fast can an otter swim?
 - a. 20mph
 - b. 15mph
 - c. 7mph
 - d. 10mph
- 10) What can we do to help otters survive?
 - a. Do not drain wetland areas
 - b. Do not pollute
 - c. Waste water
 - d. Both A and B





What You OTTER Know Pre/Post Test Answer Key

- 1) A
- 2) A
- 3) B
- 4) D
- 5) D
- 6) A
- 7) A
- Q\ D
- 9) C
- 10) D

PRE/POST EXHIBIT DATA SUBMISSION FORM

Date of Program	
School name	
Teacher name	
Number of	
students taking	
the Pre-test and	
Number taking	
Post-test	
Pre-test average	
percentage *	
Post-test average	
percentage *	

^{*}Scoring all tests, adding up all scores, and dividing by the number of students that took the test will obtain an average percentage.





What You OTTER Know Vocabulary Words

Carnivore- an animal that eats meat.

Aquatic-living in or frequenting water.

Den- a wild animal's home.

Guard Hairs-long, coarse hair that forms on the outer fur.

Habitat- natural home or environment of an animal.

Holt- the name of an otter's den.

Mammal- a warm-blooded animal that breathes air and grows hair at some point during its life,

Nictitating Membrane- a third eyelid that helps birds, reptiles, and some mammals see under water.

Underfur- a layer of fur under the guard hairs that is used to provide warmth and waterproofing.

Webbed Feet- a piece of skin between toes that helps an animal swim.

Wetland- an area consisting of water, in particular marshes or swamps.





What You OTTER Know Standards

SC.K.L.14.1 SC.1.L.16.1 SC.1.L.17.1 SC.2.L.17.1 SC.2.L.17.2 SC.3.L.15.1 SC.4.L.16.3

SC.4.L.17.4 SC.5.L.15.1





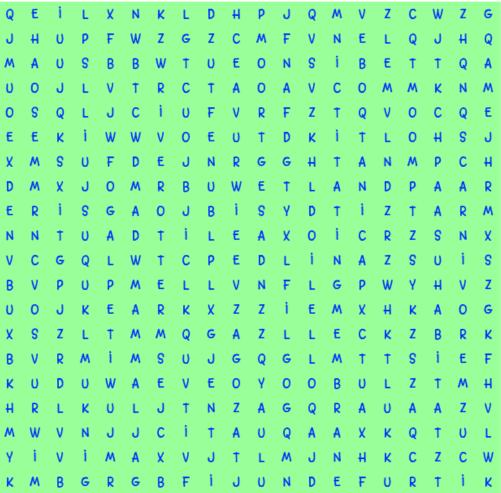
What You OTTER Know Supplemental Activities- Word Search

Name:

Created with TheTeachersCorner.net Word Search Maker

What you OTTER know

circle the words!



AQUATIC DEN HOLT UNDEFUR CARNIVORE GUARD HAIRS MAMMAL

WETLAND

RIVER OTTER HABITAT NICTITATING MEMBRANE WEBBED FEET





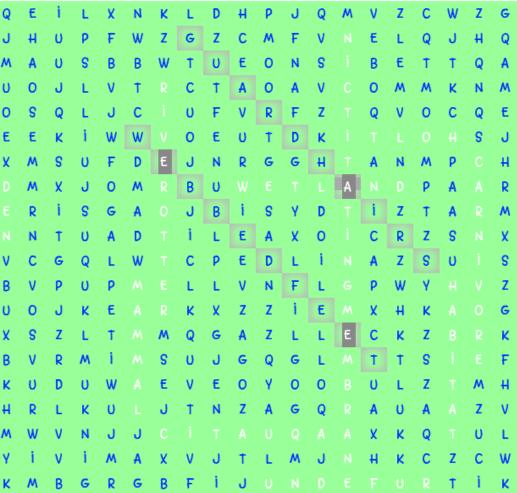
What You OTTER Know Supplemental Activities- Word Search Answer Sheet

Name:

Created with TheTeachersCorner.net Word Search Maker

What you OTTER know

circle the words!



AQUATIC DEN HOLT UNDEFUR CARNIVORE GUARD HAIRS MAMMAL WETLAND

RIVER OTTER HABITAT NICTITATING MEMBRANE

WEBBED FEET



What You OTTER Know Supplemental Activities-Complete the Sentence

i:		
2	2:	3:



Complete the Sentence

Use the words in the list below to complete the sentence

Created on TheTeachersCorner.net Fill-in-the-Blank Maker

1	
	River otters are
2.	River otters make dens called
3.	The is a third eyelid that helps the otter see under water.
4.	Otters have that allow them to swim rapidly through the water.
5.	Otters typically live in habitats.
6.	Otters are very They often use tools such as to find food.
7.	Otters have two types of fur called: and
8.	River otters eat and
	River otters eat and Baby otters are called They do not go in the water
8. 9.	





What You OTTER Know Supplemental Activities-Complete the Sentence Answer Sheet

		Name:	
te	the	Sentence	



Complete the Sentence
Use the words in the list below to complete the sentence

Created on TheTeachersCorner.net Fill-in-the-Blank Maker

River otters make dens calledholts
The <u>nictitating</u> <u>membrane</u> is a third eyelid that helps the ott
see under water.
Otters have webbed feet that allow them to swim
rapidly through the water.
Otters typically live in <u>wetland</u> habitats.
Otters are very resourceful. They often use tools such as
Otters are very <u>resourceful.</u> They often use tools such as rocks to find food.
rocks to find food.
rocks to find food. Otters have two types of fur called guard hairs and
rocks to find food. Otters have two types of fur called guard hairs and underfur.
rocks to find food. Otters have two types of fur called guard hairs and underfur. River otters eat fish, crayfish, and frogs.

nictitating

www.crystalspringsfoundation.org www.waterventures.us





What You OTTER Know Discussion Questions

- 1) The river otter has been eliminated in many states throughout the United States. Even though they have been reintroduced in many of those states, how can we prevent this from happening again? How can we prevent other species from becoming eliminated?
- 2) What is another animal that uses 'tools' to survive? What tools do they use? Compare and contrast to the North American river otter.





What you OTTER know Supplemental Websites/Videos

National Geographic Kids, 2020 "River Otter" https://kids.nationalgeographic.com/animals/mammals/river-otter/

Kidskonnect, 2020
"Otter Facts and Worksheets"
https://kidskonnect.com/animals/otter/

Oregon Zoo, 2013
"Molalla the Baby River Otter Learns to Swim"
https://www.youtube.com/watch?v=b4ELyQQp yU