



Crystal Springs Live!





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. True
 - b. 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
- 8) B
- 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

Aquatic- living in or frequenting water.

Carnivore- an animal that eats meat.

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!

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

AQUATIC
DEN
HOLT
UNDEFUR

CARNIVORE
GUARD HAIRS
MAMMAL
WETLAND

RIVER OTTER
HABITAT
NICITATING 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!

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

AQUATIC
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MAMMAL
WETLAND

RIVER OTTER
HABITAT
NICITATING MEMBRANE
WEBBED FEET

What You OTTER Know Supplemental Activities- Complete the Sentence

Name: _____



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 _____
9. Baby otters are called _____. They do not go in the water until they are _____ weeks old.
10. Otter sounds include _____ and loud _____

frogs webbed chirps coughs feet guard crayfish underfur 6 holts
resourceful chucking fish rocks membrane hairs pups mammals wetland
nictitating

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

Name: _____



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 mammals.
2. River otters make dens called holts.
3. The nictitating membrane is a third eyelid that helps the otter see under water.
4. Otters have webbed feet that allow them to swim rapidly through the water.
5. Otters typically live in wetland habitats.
6. Otters are very resourceful. They often use tools such as rocks to find food.
7. Otters have two types of fur called guard hairs and underfur.
8. River otters eat fish, crayfish, and frogs.
9. Baby otters are called pups. They do not go in the water until they are 6 weeks old.
10. Otter sounds include chucking, chirps, and loud coughs.

frogs webbed chirps coughs feet guard crayfish underfur 6 holts
resourceful chucking fish rocks membrane hairs pups mammals wetland
nictitating

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/>

Kidskonnnect, 2020

“Otter Facts and Worksheets”

<https://kidskonnnect.com/animals/otter/>

Oregon Zoo, 2013

“Molalla the Baby River Otter Learns to Swim”

https://www.youtube.com/watch?v=b4ELyQQp_yU