



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!

River Kayaking Adventure Pre/Post Test

- 1) What color are native Florida apple snail eggs?
 - a. Light pink
 - b. Bright pink
 - c. Yellow
 - d. Orange

- 2) What do Florida apple snails like to eat?
 - a. Fish
 - b. Chicken
 - c. Water plants and algae
 - d. None of the above

- 3) What causes the dark orange/brown color in the river?
 - a. Markers
 - b. Paint
 - c. Tea
 - d. Tannins that leach out from organic matter

- 4) Why are cypress trees important?
 - a. Help keep the river bank intact
 - b. Habitat for different critters
 - c. They look pretty
 - d. Both A and B

- 5) What is limestone made up of?
 - a. Fossils from dead marine life
 - b. Limes
 - c. Trees
 - d. None of the above

- 6) What causes the holes in limestone?
 - a. Animals eating it
 - b. Weathering
 - c. Both A and B
 - d. None of the above

- 7) What is the other name for a Swamp Lily?
- a. Tiger lily
 - b. Water lily
 - c. String lily
 - d. Lily of the water
- 8) What is the Bow Fin fish known for?
- a. The long fin on its back
 - b. It wears a bow tie
 - c. Its tail
 - d. None of the above
- 9) What do Ibis like to eat?
- a. Crayfish
 - b. Insects
 - c. Small fish
 - d. All of the above
- 10) All water on earth is connected.
- a. True
 - b. False

River Kayaking Adventure Pre/Post Test Answer Key

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

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.

River Kayaking Adventure Vocabulary Words

Adaptation- the way an animal or plant changes to become better suited to its environment so it is able to survive.

Aquatic- living or growing in water.

Aquifer- under ground cave system in Florida that is full of fresh water

Cypress Tree- a coniferous wetland tree that has a unique root system that pokes up out of the ground forming cypress knees.

Exotic- does not belong in a certain area.

Limestone- a sedimentary rock that is made up of fossils from dead sea creatures and coral. It forms the bedrock of Florida.

Native- a species that normally lives in a particular ecosystem

Spatter Dock- an aquatic fresh water plant that is commonly referred to as a lily pad.

Tannins- a substance that leaches out of roots and decaying organic matter that turns water an orange/brown color.

Tape Grass- fresh water grass that resembles green strips of tape. It can be found in rivers and it is a nursery for aquatic life.



River Kayaking Adventure Standards

SC.1.L.14.1
SC.1.L.17.1
SC.2.L.17.2
SC.2.L.17.1
SC.2.E.6.1
SC.3.L.15.1
SC.4.L.17.4
SC.4.E.6.6
SC.5.L.17.1
SC.6.E.6.1

River Kayaking Adventure Supplemental Activities- Word Search



River Kayaking Adventure

Name: _____
Created with TheTeachersCorner.net Word Search Maker

Circle the words!

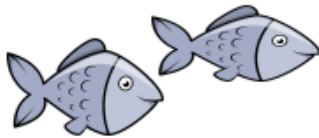
P Y C E T N L V Z B E O Y C W X O M K P
 Q I K D O L Y W A Y M U A U R A I C I P
 Y P P G O X C O M R T I C E M E C J E Z
 T L K O M N W B J W M X T X Z K R I A G
 V B B Q H A B I E H Y U L A B E A F R P
 I Y J Z T L U A N N K L D O W J P I X S
 Y Q S E I A T S O A A F Y Y E Q U P E N
 P K R E J H F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

WATER
ADAPTATION
LIMESTONE
OTTER

RIVER
NATIVE
AQUIFER
FISH

AQUATIC
TANNIN
WEATHERING

River Kayaking Adventure Supplemental Activities- Word Search Answer Sheet



River Kayaking Adventure

Circle the words!

Name: _____
Created with TheTeachersCorner.net Word Search Maker

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

WATER
ADAPTATION
LIMESTONE
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RIVER
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WEATHERING

River Kayaking Adventure 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. Florida apple snails are _____ to Florida
2. _____ cause the dark orange/brown color in the river
3. Cypress _____ are the roots of the _____ tree
4. Limestone is made up of _____ from dead _____ and dead _____
5. All water on planet earth is _____
6. Ibis eat _____ insects, _____ snakes, and _____
7. Swamp lily's are also known as _____ lily's
8. The _____ river in Florida originates at the Green Swamp
9. The Hillsborough river is _____ miles long
10. _____ grass is a _____ for a variety of critters that can be found in and around the river

Tape knees cypress
Hillsborough snails,
fossils fish coral small
Tannin's nursery
string creatures 54
native sea connected
crayfish,

River Kayaking Adventure 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. Florida apple snails are native to Florida
2. Tannin's cause the dark orange/brown color in the river
3. Cypress knees are the roots of the cypress tree
4. Limestone is made up of fossils from dead coral and dead sea creatures
5. All water on planet earth is connected
6. Ibis eat crayfish, insects, snails, snakes, and small fish
7. Swamp lily's are also known as string lily's
8. The Hillsborough river in Florida originates at the Green Swamp
9. The Hillsborough river is 54 miles long
10. Tape grass is a nursery for a variety of critters that can be found in and around the river

Tape knees cypress
Hillsborough snails,
fossils fish coral small
Tannin's nursery
string creatures 54
native sea connected
crayfish,

River Kayaking Adventure Supplemental Websites/Videos

Southwest Florida Water Management District, 2018

“Who Lives in a Wetland?”

https://www.swfwmd.state.fl.us/sites/default/files/store_products/whowetlandcolor.pdf

Southwest Florida Water Management District, 2018

“Exploring Our Wonderful Wetlands”

https://www.swfwmd.state.fl.us/sites/default/files/store_products/exploringwetlands.pdf

Southwest Florida Water Management District, 2018

“Species- Birds”

https://www.swfwmd.state.fl.us/sites/default/files/store_products/species_birds_poster.pdf

Florida Fish and Wildlife Commission, 2020

“Species Profile”

<https://myfwc.com/wildlifehabitats/profiles/#!categoryid=1305&subcategoryid=&status=>