



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!

WaterVentures Florida's Learning Lab Pre/Post Test

- 1) A layer beneath Florida made of caves and rocks that holds fresh water is called a (an) _____.
 - a. River
 - b. Ocean
 - c. Clouds
 - d. Aquifer

- 2) Which part of the water cycle describes how water seeps down through the layers of the ground into the aquifer?
 - a. Percolation
 - b. Evaporation
 - c. Condensation
 - d. Precipitation

- 3) What is a watershed?
 - a. A building where water is cleaned
 - b. Water that is stored under the ground
 - c. Any piece of land that rain water flows off of
 - d. Rocks made of fossilized sea creatures

- 4) Brackish water is a mixture of freshwater and saltwater.
 - a. True
 - b. False

- 5) What type of rock makes up the aquifer of Florida?
 - a. Limestone
 - b. Sandstone
 - c. Granite
 - d. Shale

- 6) All water on earth is connected.
 - a. True
 - b. False

- 7) What are some ways that humans can positively impact their watershed?
 - a. Reduce, reuse, recycle
 - b. Conserve water
 - c. Leave the water running when you brush your teeth
 - d. Both A and B

- 8) Which of the following demonstrates water conservation?
- a. Taking a long shower
 - b. Washing your fruits and vegetables in a bowl of water
 - c. Turning the water off when you brush your teeth
 - d. Both B and C
- 9) What is the manmade way for water to leave the aquifer?
- a. Spring
 - b. Well
- 10) What is the natural way for water to leave the aquifer?
- a. Spring
 - b. well



WaterVentures Florida's Learning Lab Pre/Post Test Answer Key

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



WaterVentures Florida's Learning Lab Vocabulary Words

Aquifer- Underground cave system that is made up of limestone rock and full of fresh water

Bedrock- the bottom layer of Florida

Brackish water- mixture of fresh water and salt water

Conservation- protection and preservation of a resource

Limestone- forms the bedrock of Florida and makes up the aquifer. Limestone is made up of fossils from dead coral and dead sea creatures

Percolation- describes how water seeps through the ground

Recycle- Process of turning trash into something we can use again

Spring- natural openings that form in Florida and the natural way for water to leave the aquifer.

Swamp- Recharge areas that hold a large amount of fresh water

UNESCO- United Nations Educational, Scientific, and Cultural Organization

Watershed- any piece of land that rainwater flows off of

Well- the manmade way for water to leave the aquifer



WaterVentures Florida's Learning Lab Standards

SC.1.L.17.1

SC.2.E.6.1

SC.2.L.17.1

SC.3.P.9.1

SC.3.L.15.1

SC.4.E.6.3

SC.4.E.6.6

SC.4.L.17.4

SC.5.E.7.2

WaterVentures Florida's Learning Lab Supplemental Activities- Word Search



Name: _____

Created with TheTeachersCorner.net Word Search Maker

WaterVentures Florida's Learning Lab

Circle the words below!

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

AQUIFER
WELL
WATER
GLOBAL

LIMESTONE
BEDROCK
RECYCLE

SPRING
PERCOLATION
CONSERVE



WaterVentures Florida's Learning Lab Supplemental Activities- Word Search Answer Sheet



Name: _____

Created with TheTeachersCorner.net Word Search Maker

WaterVentures Florida's Learning Lab

Circle the words below!

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

AQUIFER
WELL
WATER
GLOBAL

LIMESTONE
BEDROCK
RECYCLE

SPRING
PERCOLATION
CONSERVE



WaterVentures Florida's Learning Lab Supplemental Activities- Word Scramble



WaterVentures Florida's Learning Lab

Please unscramble the words below

Name: _____

Created on TheTeachersCorner.net Scramble Maker

1. aqiefur

underground cave full
of fresh water

2. lsetmieno

the type of rock our
aquifer is made out of

3. gpsinr

natural way for water
to leave the aquifer

4. ellw

man made way for
water to leave the
aquifer

5. roedkcb

limestone forms this
in Florida

6. pilntcoeoar

describes water
seeping through the
ground

7. fserh trwea

the type of water that
fills up the aquifer

8. lrceecy

one way to keep our
watershed clean is by
doing this with our
trash

9. cnersveo

another word for save

10. oblalg

another word for
worldwide



WaterVentures Florida's Learning Lab Supplemental Activities- Word Scramble Answer Sheet



WaterVentures Florida's Learning Lab

Please unscramble the words below

Name: _____

Created on TheTeachersCorner.net Scramble Maker

- | | | | |
|-----|-------------|-------------|---|
| 1. | aqiefur | aquifer | underground cave full of fresh water |
| 2. | lsetmieno | limestone | the type of rock our aquifer is made out of |
| 3. | gpsinr | spring | natural way for water to leave the aquifer |
| 4. | ellw | well | man made way for water to leave the aquifer |
| 5. | roedkcb | bedrock | limestone forms this in Florida |
| 6. | piIntcoeoar | percolation | describes water seeping through the ground |
| 7. | fserh trwea | fresh water | the type of water that fills up the aquifer |
| 8. | lrceecy | recycle | one way to keep our watershed clean is by doing this with our trash |
| 9. | cnersveo | conserve | another word for save |
| 10. | oblalg | global | another word for worldwide |





WaterVentures Florida's Learning Lab Supplemental Websites/Videos

FusionSpark Media, 2013

"A Water's Journey"

<https://www.youtube.com/watch?v=AAYNQdestl0>

Florida Department of Environmental Protection, 2019

"10 Things You Didn't Know About Florida's Springs"

<https://floridadep.gov/sites/default/files/Springs%20Fact%20Sheet%201.pdf>

St. John's Water Management District, 2020

"Florida's Aquifers"

<https://www.sjrwm.com/water-supply/aquifer/>

School Board of Hillsborough County & Southwest Florida's Water Management District, 2006

"Life in Florida's Freshwater Wetland Communities"

<https://www.waterventures.us/downloads/Life%20in%20Florida%20Freshwater%20Wetlands.pdf>

Water Use It Wisely, 2020

"100+ Ways to Conserve Water"

<https://wateruseitwisely.com/tips/category/kids/>

Water Use It Wisely, 2020

"Games"

<https://wateruseitwisely.com/kids/games/>

Water Use It Wisely, 2020

"Home Water Challenge"

<https://wateruseitwisely.com/100-ways-to-conserve/home-water-challenge/>