



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!

Watershed Exploration Know Pre/Post Test

- 1) What is a watershed?
 - a. Any piece of land that rainwater can flow off of
 - b. A shed full of water
 - c. Water that is stored under the ground
 - d. None of the above

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

- 3) What is the cycle that connects all water on earth?
 - a. Rock cycle
 - b. Water Cycle
 - c. The Carbon Cycle
 - d. None of the above

- 4) What type of water do we find in rivers, lakes, streams, and ponds?
 - a. Fresh
 - b. Salt

- 5) Trees and plants help clean our fresh water. These natural resources are also known as nature's _____.
 - a. Water Cycle
 - b. Energies
 - c. Filters
 - d. Caves

- 6) You can positively and negatively impact your watershed?
 - a. True
 - b. False

- 7) Animal poop is an example of pollution
 - a. True
 - b. False



- 8) Humans are part of the water cycle. What is the scientific name for that?
- a. Percolation
 - b. Precipitation
 - c. Respiration
 - d. Transpiration
- 9) Trees are part of the water cycle.
- a. True
 - b. False
- 10) All rivers flow out to the ocean.
- a. True
 - b. False



Watershed Exploration Pre/Post Test Answer Key

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



Watershed Exploration Vocabulary Words

Condensation- when a gas starts to form into a liquid and forms a cloud.

Evaporation- turning a liquid into a gas.

Freshwater- water that is not salty. For example: any water that is found in rivers, lakes, and streams is fresh water.

Filters- used for removing pollution or impurities from the water.

Precipitation- comes in the form of rain, snow, or hail.

Pollution- When something harmful is introduced into the environment causing negative impacts.

Respiration- water molecules are released from the body when a person breathes.

Transpiration- the process of trees releasing water vapor.

Watershed- Any piece of land that rain water can flow off of.

Water Cycle- The path that all water follows as it moves above and below the surface of the Earth.



Watershed Exploration Standards

SC.4.E.6.6

SC.4.L.17.4

SC.5.E.7.2

Watershed Exploration Supplemental Activities- Word Search

Name: _____

Created with TheTeachersCorner.net Word Search Maker



Watershed Exploration

Circle the Words

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

WATER CYCLE
 PRECIPITATION
 WATERSHED
 FILTER

RESPIRATION
 EVAPORATION
 POLLUTION
 TREE

TRANSPIRATION
 CONDENSATION
 FRESH WATER

Watershed Exploration Supplemental Activities- Word Search Answer Sheet

Name: _____

Created with TheTeachersCorner.net Word Search Maker



Watershed Exploration

Circle the Words

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

WATER CYCLE
PRECIPITATION
WATERSHED
FILTER

RESPIRATION
EVAPORATION
POLLUTION
TREE

TRANSPIRATION
CONDENSATION
FRESH WATER

Watershed Exploration 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. A _____ is any piece of _____ that _____ can flow off of.
2. _____ is the process of _____ molecules being released when a person breathes.
3. The _____ connects all water on earth.
4. _____ are nature's natural _____.
5. Rivers, lakes, and streams are full of _____.
6. The process of turning a liquid into a gas is called _____.
7. _____ is something harmful that is introduced into the environment.
8. It is _____ responsibility to keep our watershed _____ and healthy.
9. All rivers, lakes, and streams flow out to the _____.
10. Trees release water through their leaves through a process called _____.

freshwater Trees Respiration water cycle water clean watershed
Pollution ocean land rainwater transpiration our filters evaporation

Watershed Exploration 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. A watershed is any piece of land that rainwater can flow off of
2. Respiration is the process of water molecules being released when a person breathes
3. The water cycle connects all water on earth
4. Trees are nature's natural filters
5. Rivers, lakes, and streams are full of freshwater
6. The process of turning a liquid into a gas is called evaporation
7. Pollution is something harmful that is introduced into the environment
8. It is our responsibility to keep our watershed clean and healthy
9. All rivers, lakes, and streams flow out to the ocean
10. Trees release water from their leaves through a process called transpiration

freshwater Trees Respiration water cycle water clean watershed
Pollution ocean land rainwater transpiration our filters evaporation



Watershed Exploration Discussion Questions

- 1) Trees are important to our watersheds because they help filter our water. However, we cannot just rely on trees to keep our watersheds clean and healthy. What are some ways you are able to help your watershed?

- 2) What watershed do you live in? What are some local issues that face your watershed? What is being done to resolve these issues?

Watershed Exploration Supplemental Websites/Videos

USGS, 2020

“The Water Cycle for Schools and Kids”

https://www.usgs.gov/special-topic/water-science-school/science/water-cycle-schools-and-kids?qt-science_center_objects=0#qt-science_center_objects

Southwest Florida Water Management District, 2018

“Water Education Videos”

<https://www.swfwmd.state.fl.us/residents/education/water-education-videos>

National Geographic, 2020

“In Your Watershed”

<https://www.nationalgeographic.org/activity/in-your-watershed/>

FusionSpark Media, 2013

“Water’s Journey: Hidden Rivers of Florida, Part 1 of 3”

<https://www.youtube.com/watch?v=AAyNGdestl0>

FusionSpark Media, 2013

“Water’s Journey: Hidden Rivers of Florida, Part 2 of 3”

<https://www.youtube.com/watch?v=a3SwCnFCumU>

FusionSpark Media, 2013

“Water’s Journey: Hidden Rivers of Florida, Part 3 of 3”

<https://www.youtube.com/watch?v=e8ZvyBcMuX8>