



# 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](http://www.crystalspringsfoundation.org) and [www.waterventures.us](http://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!

## The Science of Snakes Pre/Post Test

- 1) All snakes have teeth.
  - a. True
  - b. False
  
- 2) Are snakes vertebrates or invertebrates?
  - a. Vertebrates
  - b. Invertebrates
  
- 3) Snakes are classified as \_\_\_\_\_.
  - a. Omnivores
  - b. Carnivores
  - c. Herbivores
  - d. None of the above
  
- 4) How do snakes hear?
  - a. With small ears
  - b. Through their tail
  - c. Through their skin
  - d. None of the above
  
- 5) Snakes are unable to see \_\_\_\_\_.
  - a. Color
  - b. Light
  - c. All of the above
  - d. None of the above
  
- 6) How do snakes smell?
  - a. Nose
  - b. Tongue
  - c. All of the above
  - d. None of the above

- 7) Where are the Jacobson's organs located in snakes?
- a. Mouth
  - b. Stomach
  - c. Tail
  - d. Skin
- 8) How does a snake shed its skin?
- a. The old layer of skin separates from the new one.
  - b. The snake scrapes itself against a hard surface
  - c. Both A and B
  - d. None of the above
- 9) Ventral Scales help a snake do what?
- a. Eat
  - b. Attack prey
  - c. Move
  - d. Shed Skin
- 10) How many venomous snakes are native to Florida?
- a. 10
  - b. 20
  - c. 6
  - d. 2



## The Science of Snakes Pre/Post Test Answer Key

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

## 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.

## The Science of Snakes Vocabulary Words

Camouflage - concealment by some means that alters or obscures the appearance.

Carnivore – An animal that eats only other animals or meat.

Constrictor - a snake that kills its prey by coiling tightly around it, causing suffocation

Ecosystem – The interaction between organisms and their environment.

Exotic – Something not found in the area naturally; may have originated from another country.

Food chain – A series of organisms that are related by their feeding habits.

Invasive – Any native and non-native species that heavily take over an area.

Native - originating naturally in a country or region

Predator – Any animal that preys upon other animals.

Prey – An animal that is hunted by another animal.

Reptile - any cold-blooded vertebrate comprising the turtles/ tortoises, snakes, lizards, crocodilians, tuatara, and various extinct members including the dinosaurs that lay eggs and has scales.

Shed – To remove skin.

Venomous - having a gland or glands for secreting venom; able to inflict a bite, sting, or wound containing venom.



## The Science of Snakes Standards

SK.L.14.3  
SC.1.E.6.1  
SC.1.E.6.2  
SC.1.L.14.1  
SC.1.L.17.1  
SC.2.N.1.1  
SC.2.L.17.1  
SC.2.L.17.2  
SC.3.N.1.1  
SC.3.L.15.1  
SC.3.L.17.1  
SC.4.E.6.3  
SC.4.E.6.6  
SC.4.L.16.3  
SC.4.L.17.4  
SC.5.L.17.1  
SC.5.L.14

# The Science of Snakes Supplemental Activities- Word Search



Name: \_\_\_\_\_

Created with TheTeachersCorner.net Word Search Maker

## I Love Snakes

Search for the words listed below. Circle the words. Good luck!

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

EYELID  
 VENOMOUS  
 PREDATOR  
 FANGS  
 VERTEBRATE

TONGUE  
 PREY  
 SCALES  
 VENTRAL  
 CONSTRICTOR

CAMOUFLAGE  
 CARNIVORE  
 IMMUNE  
 FOOD CHAIN  
 TEETH



## The Science of Snakes Supplemental Activities- Complete the Sentence

Name: \_\_\_\_\_



### Complete the Sentence

Use the words in the list to complete the sentence.

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

1. Snakes have no \_\_\_\_\_ .
2. All snakes only eat other animals which makes them \_\_\_\_\_ .
3. Snakes have \_\_\_\_\_ scales to help them move .
4. Snakes smell using their \_\_\_\_\_ .
5. King snakes are immune to the \_\_\_\_\_ of native venomous snakes .
6. All snakes have backbones which makes them \_\_\_\_\_ .
7. Venomous snakes have \_\_\_\_\_ and can inject a venom into their prey .
8. Snakes have to bask in the sun to warm up which makes them an \_\_\_\_\_ .
9. All snakes have \_\_\_\_\_ and breathe air .
10. Snakes are very important in controlling the \_\_\_\_\_ population .

vertebrates  
eyelids  
carnivores  
ventral  
ectotherm  
rodent lungs  
venom tongue  
fangs



## The Science of Snakes Supplemental Websites/Videos

University of Florida IFAS Extension, 2005

"Know Florida's Venomous Snakes!"

<https://ufwildlife.ifas.ufl.edu/pdfs/KnowFLVenomousSnakes.pdf>

Florida Museum of Natural History, University of Florida, 1995-2020

"Visual Guide to Florida's Snakes"

<https://www.floridamuseum.ufl.edu/herpetology/fl-snakes/visual-id/>

Florida Fish and Wildlife Commission, 1999-2020

"Living with Snakes"

<https://myfwc.com/conservation/you- conserve/wildlife/snakes/>

National Geographic Kids, 2020

"Super Snakes"

<https://kids.nationalgeographic.com/explore/nature/super-snakes/>

Homeschool Pop, 2018

"Facts about Snakes for Kids"

<https://www.youtube.com/watch?v=Cf2qpXb81IA>

SciShow Kids, 2017

"Amazing Snakes"

<https://www.youtube.com/watch?v=BKH1TZ87Z1Q>