



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!

Getting Buggy Pre/Post Test

- 1) What is the scientific name for bugs?
 - a. Insects
 - b. Creepy things
 - c. Aphids
 - d. None of the above

- 2) What are five main characteristics that most insects have?
 - a. Antennae, stinger, wings, scales, hair
 - b. Wings, antennae, six legs, compound eyes, exoskeleton
 - c. Five legs, antennae, compound eyes, wings, skeleton

- 3) What does the word compound mean?
 - a. More than one
 - b. Only one

- 4) How many legs does an insect have?
 - a. Six
 - b. Four
 - c. Eight

- 5) What are the 3 main body sections of an insect?
 - a. Head, middle, legs
 - b. Head, thorax, abdomen
 - c. Head, wings, abdomen

- 6) Do insects have bones that make a skeleton?
 - a. Yes
 - b. No

- 7) What type of skeleton do insects have?
 - a. Regular skeleton
 - b. Exoskeleton

- 8) What three main senses do insects use their antennae for?
- a. Hear, smell, touch
 - b. Taste, hear, touch
 - c. Touch, see, taste
- 9) What part of the insect are the legs and wings connected to?
- a. Thorax
 - b. Head
 - c. Abdomen
- 10) What part of the insect is the longest, contains the heart and tells if the insect is a male or female?
- a. Thorax
 - b. Head
 - c. Abdomen



Getting Buggy Pre/Post Test Answer Key

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

Vocabulary Words

Abdomen- One of three main body parts. Contains the heart, reproductive organs, and other digestive organs.

Aerate- The process of an organism burrowing under the ground which allows oxygen to get into soil.

Antennae- A pair of long sensory organs on the heads of insects.

Compound- Composed of two or more.

Exoskeleton- Hard external covering for the body that provides support and protection.

Insect- Small arthropod that is characterized by six legs and typically one or two sets of wings.

Pollination- The transfer of pollen to a flower or plant to allow fertilization.

Senses- The body's ability to perceive an external stimulus through tasting, touching, smelling, hearing, and seeing.

Thorax- Located between the head and the abdomen and contains the legs and wings.

Supplemental Activities

NAME _____

Created with TheTeachersCorner.net Word Search Maker

GETTING BUGGY

Look for words going up, down and on a diagonal. Once you find the word, circle the word with your favorite colored pencil or crayon!



DRAGONFLY
THORAX
EXOSKELETON
ANTENNAE

BUTTERFLY
ABDOMEN
WINGS

HEAD
COMPOUND EYES
SIX LEGS

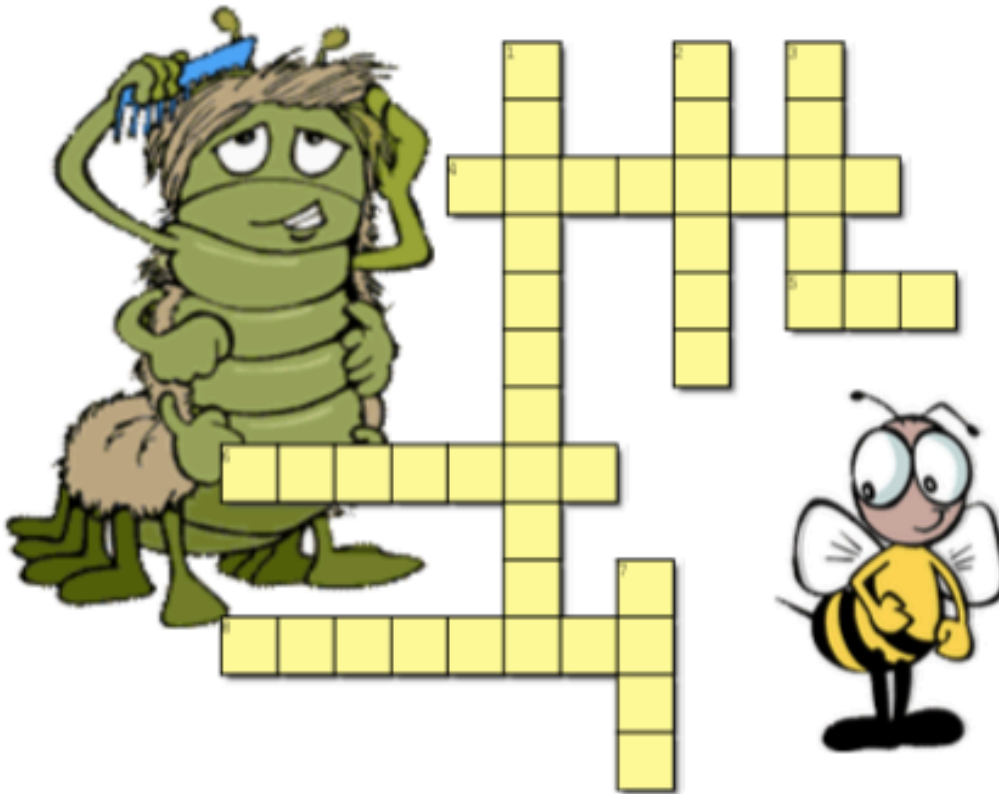


Supplemental Activities

NAME _____

INTERESTING INSECTS

COMPLETE THE CROSSWORD PUZZLE BELOW.



Created using the Crossword Maker on TheTeachersCorner.net

Across

4. What type of eyes do insects have?
5. How many legs do insects have?
6. What part of the insect is the longest and contains the heart?
8. What do insects use to smell, hear and touch with?

Down

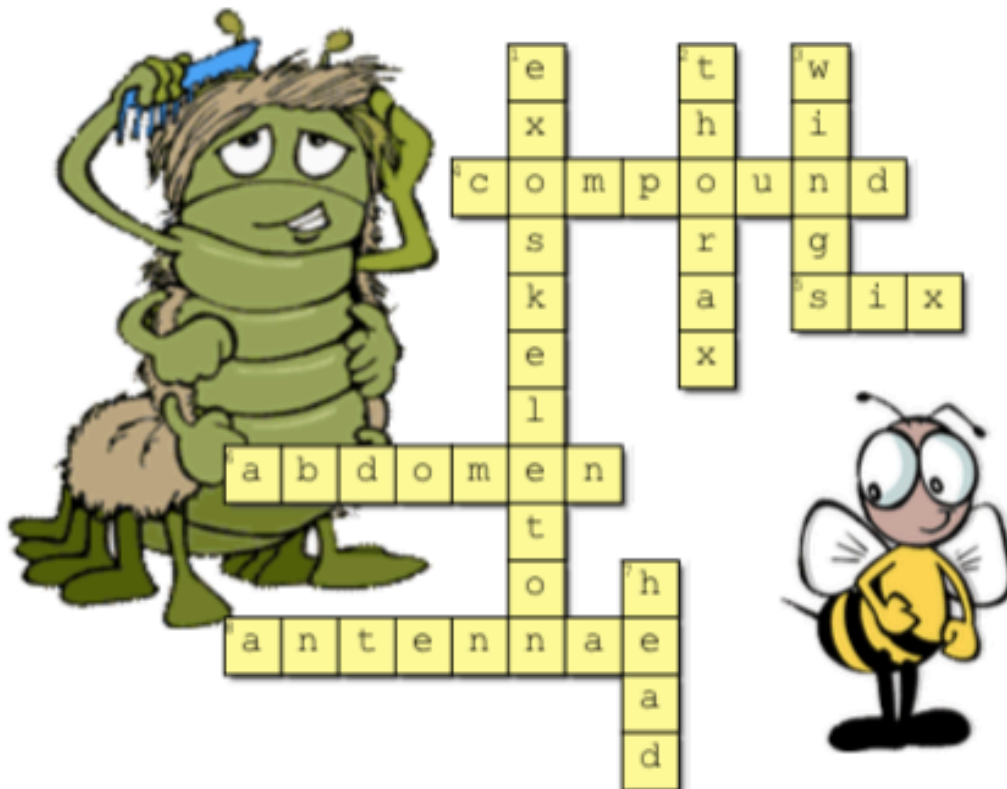
1. What type of skeleton do insects have?
2. What is the middle of an insect called that holds the wings and legs?
3. What do insects need to fly?
7. What part of the insect has the antennae, mouth and compound eyes?

Supplemental Activities- Answer Sheet

NAME _____

INTERESTING INSECTS

COMPLETE THE CROSSWORD PUZZLE BELOW.



Created using the Crossword Maker on TheTeachersCorner.net

Across

4. What type of eyes do insects have?
(**compound**)
5. How many legs do insects have? (**six**)
6. What part of the insect is the longest and contains the heart? (**abdomen**)
8. What do insects use to smell, hear and touch with? (**antennae**)

Down

1. What type of skeleton do insects have?
(**exoskeleton**)
2. What is the middle of an insect called that holds the wings and legs? (**thorax**)
3. What do insects need to fly? (**wings**)
7. What part of the insect has the antennae, mouth and compound eyes?
(**head**)

Supplemental Websites/Videos

National Geographic Kids, 2020

“25 Cool Things About Bugs”

<https://www.natgeokids.com/za/discover/animals/insects/15-facts-about-bugs/>

National Geographic Kids, 2020

“The Big Bug Memory Game”

<https://www.natgeokids.com/za/play-and-win/games/bug-memory-game/>

National Geographic Kids, 2020

“10 Cool Facts About Ants”

<https://www.natgeokids.com/za/discover/animals/insects/ant-facts/>

FreeSchool, 2017

“All About Insects for Children; Bees, Butterflies, Ladybugs, Ants, and Flies for Kids”

<https://www.youtube.com/watch?v=rKQfJFAHW8Q&list=PLQInTldJs0ZQRpoi26VO9Yf50NiG1iuHN&index=2>