



# 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!

## Come Meet A Tree Pre/Post Test

- 1) What is a person called who studies and works with trees?
  - a. Tree doctor
  - b. Arborist
  - c. Treeacher
- 2) What part of the tree is made up of the leaves and branches and gives the tree its shape?
  - a. Roots
  - b. Leaves
  - c. Crown
  - d. Trunk
- 3) What part of the tree acts like a solar panel and makes sugar for the tree and puts oxygen in the air?
  - a. Trunk
  - b. Leaves
  - c. Roots
  - d. Crown
- 4) Photosynthesis is what the leaves do when they use sun, water, and carbon dioxide to produce sugar and oxygen.
  - a. True
  - b. False
- 5) What type of trees have feather-like leaves and roots that poke up out of the ground?
  - a. Oak tree
  - b. Apple tree
  - c. Cypress tree
- 6) What is a wetland?
  - a. Land that is wet all the time
  - b. Land that is wet most of the time
  - c. Both A and B
  - d. None of the above
- 7) What type of rabbit swims and lives in a wetland?
  - a. Marsh rabbit
  - b. Prairie rabbit
  - c. Jack rabbit

- 8) What part of the tree acts like big straws and helps the tree drink and soak up minerals?
- a. Crown
  - b. Roots
  - c. Leaves
  - d. Trunk
- 9) What part of the tree is the strongest and has bark on the outside?
- a. Trunk
  - b. Roots
  - c. Leaves
  - d. Crown
- 10) Chlorophyll is the green sticky substance in all leaves responsible for photosynthesis?
- a. True
  - b. False



## Come Meet A Tree Pre/Post Test Answer Key

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

## Come Meet A Tree Vocabulary Words

**Arborist** - A person who studies and works with trees.

**Bark** - A protective covering over the trunk of a tree.

**Chlorophyll**- a green substance that plants use to make food.

**Crown** - A part of the tree that is formed by the branches and leaves to give the tree its shape.

**Cypress Knees** - A part of a cypress tree's root system that pokes up above ground and helps support the tree in a muddy environment. Scientists believe these roots aid in the exchange of oxygen for the tree.

**Cypress Tree** - A deciduous (loses leaves once a year) conifer (has cones) tree that thrives living in a wetland.

**Great Blue Heron** - The largest heron in North America and native to Florida and lives in a wetland

**Hammock** - A bed or chair made of canvas that hangs by cords from trees.

**Leaves** - The green structures on plants that produce oxygen.

**Marsh Rabbit** - A small rabbit that is native to Florida and lives in a wetland. This rabbit is a great swimmer.

**Photosynthesis** - The process in which leaves use their chlorophyll to make sugar from the sun's energy, water and carbon dioxide. The by-product is oxygen.

**Roots** - The part of the tree that anchors the tree and allows the tree to drink water and receive minerals from the ground.

**Trunk** - The large, strong, woody part of the tree that lets the food and water run up and down inside it and has bark on the outside.

**Wetland** - A area of land that is wet all year or most of the year.



## Come Meet A Tree Standards

SC.K.L.14.3  
SC.K.N.1.5  
SC.1.L.14.2  
SC.1.L.17.1  
SC.2.L.17.2  
SC.3.L.14.1  
SC.3.L.14.2  
SC.4.L.17.4

## Come Meet A Tree Supplemental Activities- Word Search



### Come Meet a Tree Cypress

Complete the puzzle below.

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

ARBORIST

CROWN

LEAVES

TRUNK

ROOTS

CYPRESSTREE

WETLAND

RABBIT



## Come Meet A Tree Supplemental Activities- Word Search Answer Sheet



### Come Meet a Tree Cypress

Complete the puzzle below.

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

ARBORIST  
TRUNK  
WETLAND

CROWN  
ROOTS  
RABBIT

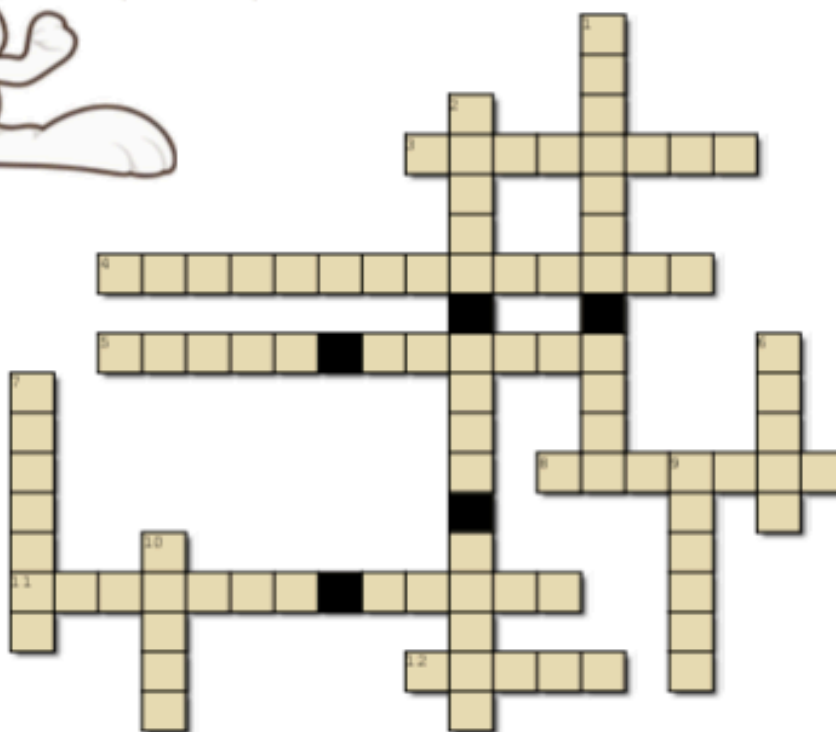
LEAVES  
CYPRESSTREE

# Come Meet A Tree Supplemental Activities- Cross Word

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

## Come Meet a Tree - Cypress -

Complete the puzzle below and color the marsh rabbit.



Created using the Crossword Maker on TheTeachersCorner.net

- |       |       |                  |          |                |        |         |              |              |         |
|-------|-------|------------------|----------|----------------|--------|---------|--------------|--------------|---------|
| trunk | crown | great blue heron | arborist | wetland        | leaves | hammock | cypress tree | marsh rabbit | cypress |
|       |       |                  | knees    | photosynthesis | roots  |         |              |              |         |

**Across**

- 3. A person who studies and works with trees.
- 4. The process in which leaves produce oxygen.
- 5. A small rabbit that lives in a wetland and loves to swim!
- 8. An area of land that is wet all year or most of the year.
- 11. The part of a cypress tree's roots that poke up out of the ground.
- 12. The part of a tree that anchors the tree to the ground.

**Down**

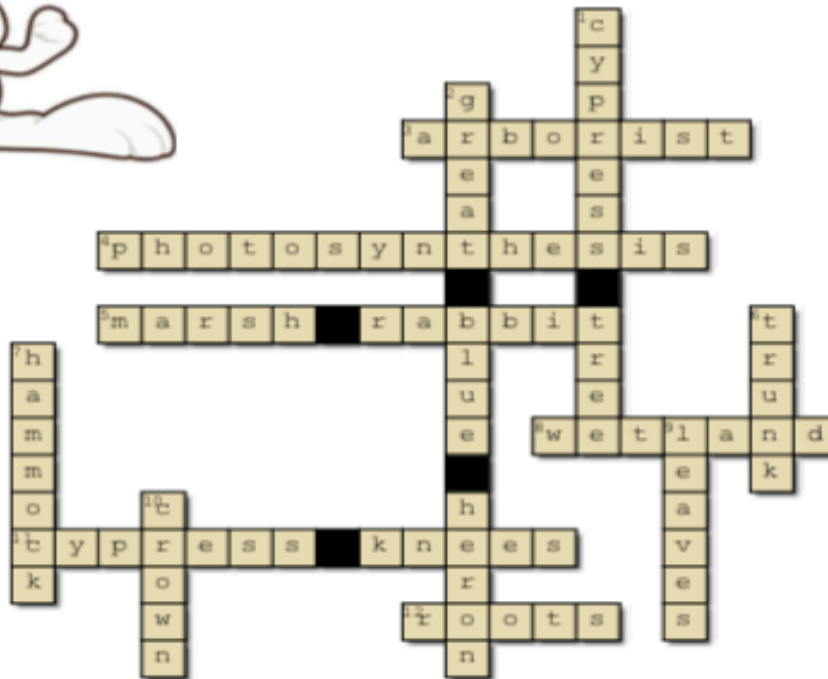
- 1. A tree native to Florida that loves to live in a wetland.
- 2. The largest heron in North America and lives in a wetland.
- 6. The large, strong, woody part of the tree that lets water and food run up and down inside it.
- 7. A fun chair or bed made out of canvas that hangs between two trees.
- 9. The green structures on plants that produce oxygen.
- 10. The part of a tree that is formed by the branches and leaves and gives the tree its shape.

# Come Meet A Tree Supplemental Activities- Word Search Answer Sheet

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

## Come Meet a Tree - Cypress -

Complete the puzzle below and color the marsh rabbit.



Created using the Crossword Maker on TheTeachersCorner.net

- trunk
- crown
- great blue heron
- arborist
- wetland
- leaves
- hammock
- cypress tree
- marsh rabbit
- cypress
- knees
- photosynthesis
- roots

**Across**

- 3. A person who studies and works with trees. (arborist)
- 4. The process in which leaves produce oxygen. (photosynthesis)
- 5. A small rabbit that lives in a wetland and loves to swim! (marsh rabbit)
- 8. An area of land that is wet all year or most of the year. (wetland)
- 11. The part of a cypress tree's roots that poke up out of the ground. (cypress knees)
- 12. The part of a tree that anchors the tree to the ground. (roots)

**Down**

- 1. A tree native to Florida that loves to live in a wetland. (cypress tree)
- 2. The largest heron in North America and lives in a wetland. (great blue heron)
- 6. The large, strong, woody part of the tree that lets water and food run up and down inside it. (trunk)
- 7. A fun chair or bed made out of canvas that hangs between two trees. (hammock)
- 9. The green structures on plants that produce oxygen. (leaves)
- 10. The part of a tree that is formed by the branches and leaves and gives the tree its shape. (crown)



## Come Meet A Tree Supplemental Websites/Videos

Arbor Day Foundation, 2020

"Benefits of Trees"

<https://www.arboday.org/kids/benefits-of-trees/>

Arbor Day Foundation, 2020

"Trees Around the World"

<https://www.arboday.org/kids/trees-around-the-world/>

Arbor Day Foundation, 2020

"Junior Arborist"

<https://www.arboday.org/kids/jr-arborist/>

Arbor Day Foundation, 2020

"Life of a Tree"

<https://www.arboday.org/kids/life-of-a-tree/>

Arbor Day Foundation, 2020

"Photosynthesis"

<https://www.arboday.org/kids/photosynthesis/>

National Wildlife Federation, 2001

"Tree Detectives"

[https://www.nwf.org/~media/PDFs/Be Out There/Schoolyard Habitats/tree\\_detectives.ashx](https://www.nwf.org/~media/PDFs/Be Out There/Schoolyard Habitats/tree_detectives.ashx)

SciShow Kids, 2018

"Life as a Tree"

<https://www.youtube.com/watch?v=MwNJC-IRgPE>