

# Creatures from the "Black Lagoon"/Cypress Dome

The bowl of the cypress dome is filled by rainwater. What could happen to the water in the dome if it doesn't rain? \_\_\_\_\_

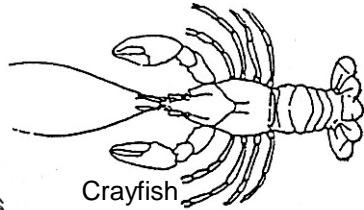
Circle the creatures you find. Add field notes (interesting facts) in nearby space.



Amphipod



Copepod



Crayfish



Isopod



Water Boatman



Backswimmer



Dragonfly Nymph



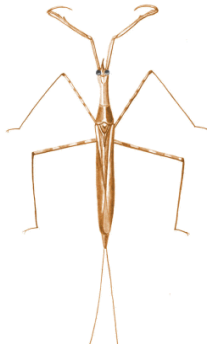
Diving Beetle



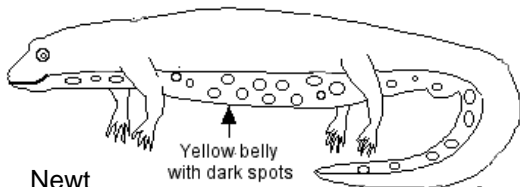
Water Bug



Bloodworm



Water Scorpion



Newt

Yellow belly with dark spots



Tadpole

What common aquatic creatures are missing? \_\_\_\_\_  
Why? \_\_\_\_\_



Water & Wildlife:  
We Are All Connected!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## Gator CSI

How many spaces for teeth are present in the skull portion? \_\_\_\_\_

As accurately as possible estimate how many teeth would be in the entire gator's mouth. (Remember there is an upper and lower jaw.) \_\_\_\_\_

What is the distance in inches from the nose to the eyes? \_\_\_\_\_

What is the approximate length of the gator in feet (1 inch = 1 foot)? \_\_\_\_\_

On what part of the alligator's body are the osteoderms found? \_\_\_\_\_

How could the osteoderms act like a shield? \_\_\_\_\_

The osteoderms are imbedded in the alligator's black skin. When the alligator sits in the sun and heats up his skin, what else would get warm? \_\_\_\_\_

How would this affect the alligator's body temperature? \_\_\_\_\_



## The pH Mystery: Acid or Alkaline?

Water's pH can be changed by decaying organic material such as leaves. They can make it more acid. Likewise, bases such as calcium carbonate (the compound which makes up limestone) can make the water's pH more alkaline.

To find Ph: These steps are out of order. Put numbers in front of each statement to indicate the correct order.

- \_\_\_\_\_ Invert the test tube
- \_\_\_\_\_ Add 3 drops of test solution
- \_\_\_\_\_ Match color of water to chart
- \_\_\_\_\_ Fill test tube to mark with water sample
- \_\_\_\_\_ Read Ph (Below 7 is acid, above 7 is alkaline)
- \_\_\_\_\_ Put cap on test tube

### Sample: Cypress Dome

Ph \_\_\_\_\_ Acid or Alkaline? \_\_\_\_\_

Observe: What may account for the Ph reading in the cypress dome? \_\_\_\_\_

### Sample: Wakulla River

Ph \_\_\_\_\_ Acid or Alkaline? \_\_\_\_\_

Observe: What may account for the Ph reading in the Wakulla River? \_\_\_\_\_

## Strength in Weakness



To observe how a weak acid reacts with solid limestone:

These steps are out of order. Put numbers in front of each statement to indicate the correct order.

- \_\_\_\_\_ Add 7 drops of the weak acid to the cup
- \_\_\_\_\_ Rub or gently knock two pieces of limestone together
- \_\_\_\_\_ Observe and record what happens
- \_\_\_\_\_ Collect the dust and place in the small cup

### OBSERVATIONS:

What happened as the weak acid was added to the limestone dust? \_\_\_\_\_

What is happening to the limestone? \_\_\_\_\_

Water can slowly flow through limestone because it is porous (filled with small holes and cracks). As water from the cypress dome sinks into the limestone bedrock and slowly moves through the rock to the Wakulla River, how might the size of the holes and cracks in the limestone change? \_\_\_\_\_

\_\_\_\_\_