SciWorks™

The Science Center and Environmental Park of Forsyth County

SCAVENGER HUNT
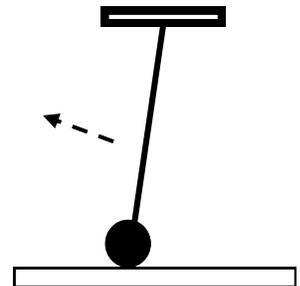
Name: _____ School: _____

PhysicsWorks

1. Find the plasma tube. Touch it with your hand. Your hand conducts electricity, which makes the gases in the tube light up. What happens if you touch it with only paper?

    _____

2. Find the model Foucault Pendulum. Pull the ball a little and let go.
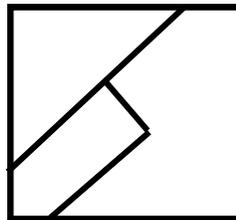
    How far did the ball swing? _____

    Now pull the ball a lot. How much did it swing that time?

    _____

    **Bonus: what force causes the ball to swing down?

    _____

Mindworks

This drawing shows how to start the Five Piece Square Puzzle. Draw the rest of the puzzle.

Mountains to Sea

1. Find the sign **North Carolina Geology**. What kind of rock is Gneiss? (circle one)

    metamorphic   igneous   sedimentary

2. Look in the large aquarium with the **African Cichlid Fish**. Some of the fish are better camouflaged than others. Which color cichlid do you think would <u>not</u> survive as well in the wild? _____

3. Find the animals on the mountain. Which animal do you think might eat the turkey?

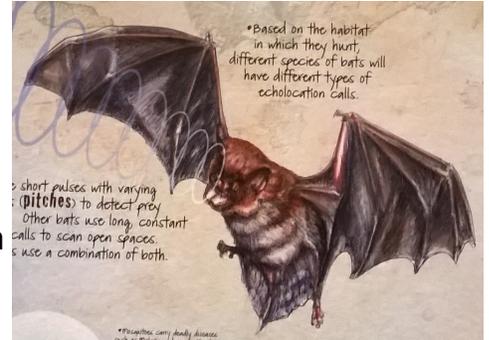   _____ Which animal might eat the junco bird? _____

Science Lab

1. Experiment with the North Carolina Sandscape exhibit. What natural force causes the sand to erode? (circle one)   water   wind   volcano

BioWorks

1. Bats find their food and where to go by making noises which bounce back to their ears. One word for this is:

_____

*Based on the habitat in which they hunt, different species of bats will have different types of echolocation calls.

short pulses with varying (pitches) to detect prey. Other bats use long, constant calls to scan open spaces. use a combination of both.

*Mosquitoes carry deadly diseases

2. Find the Green Iguana exhibit. Observe what the iguana is doing. Why would she prefer to be on the tree?
   - A. To stay safe from ground-dwelling predators
   - B. To absorb as much heat from the light as she can.
   - C. All of the above.

SoundWorks

Play the "Pipes of Pan"

Which size pipe made a higher pitched noise? (circle one)

Short   Long
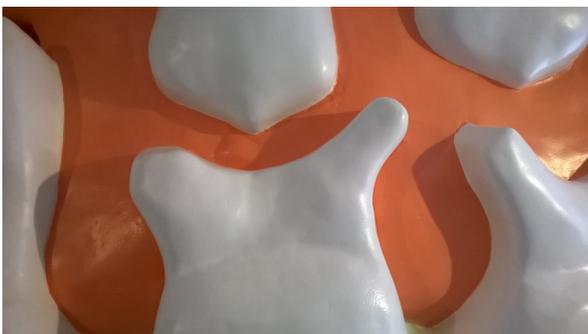
Which size pipe made a lower pitched noise?

Short   Long

** Bonus: Can you think of something else you can use to make sounds of different pitches?

_____

Healthworks

1. What do your intestines help your body to do? (circle one)

   take in oxygen   digest food   support your body   react to light

2. Find the exhibit pictured below. What it is? _____

Draw your favorite thing at SciWorks: