

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?

Paper will not conduct electricity and so nothing happens.

2. Find the model Foucault Pendulum. Pull the ball a little and let go.

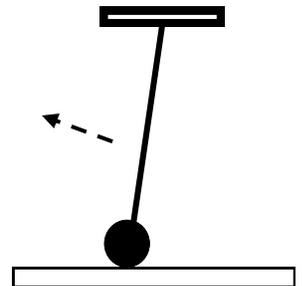
How far did the ball swing? A little

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

A lot

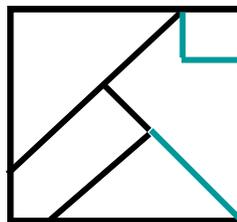
**Bonus: what force causes the ball to swing down?

Gravity



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 not survive as well in the wild? orange /answer may be variable

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

the black bear

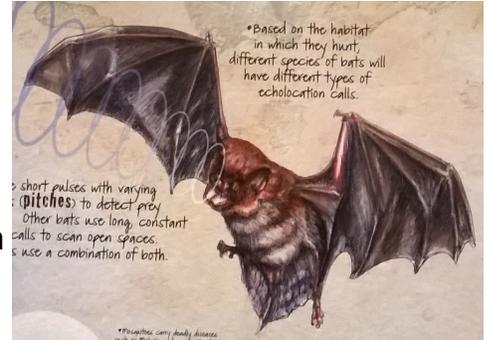
Which animal might eat the junco bird? bobcat

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:
Biosonar or echolocation
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

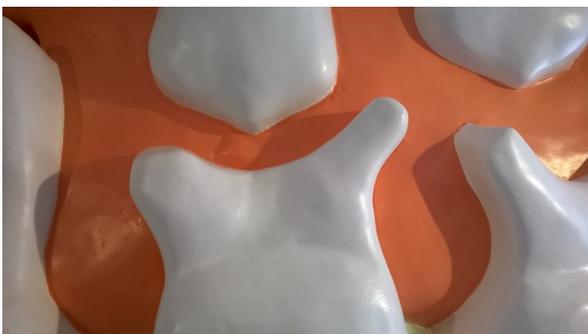
Which size pipe made a lower pitched noise?

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? Teeth



Draw your favorite thing at SciWorks: