

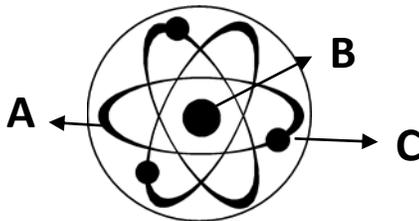
SCAVENGER HUNT

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 paper? Nothing: the paper does not conduct electricity so the tube doesn't light up.
2. When you pedal the bicycle generator and make the bulbs light up, you are converting mechanical energy into electrical energy.

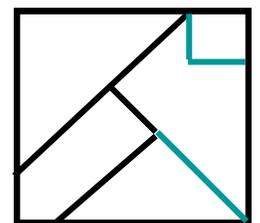
Name the parts of an atom:



- A. orbit
- B. nucleus
- C. electron

Mindworks

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



Mountains to Sea

1. Experiment with the North Carolina Sandscape Exhibit. What natural force causes the erosion of the sand? wind
2. Transpiration is the process in which water is absorbed from the ground, transported through a tree and evaporated into the atmosphere.
3. Find the Tree Cookie. What are two things we can determine by looking at the rings of the tree? The tree's age, if the tree lived through DAMAGE, FIRE, DROUGHT

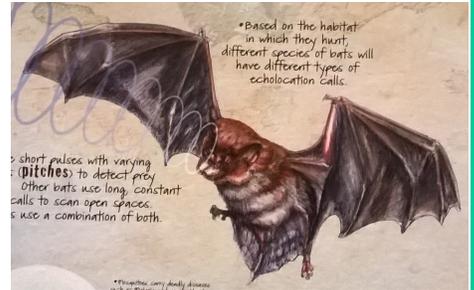


Science Lab

**Bonus: Find the mummified falcons. How many are in the display case? 2

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. Some animals blend in with their surroundings very well (camouflage). Can you find a camouflaged South American animal? What animal is it? answer varies



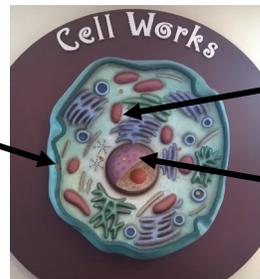
Soundworks

1. Play the Pipes of Pan. When you hit the tubes, you are causing them to (circle one)
Respirate Appropriate **Vibrate** Gravitate
2. Sound is a form of energy that travels in (circle one)
waves currents circuits axels

Healthworks

1. Identify 3 parts of the cell:

Cell membrane



mitochondria

nucleus

2. Find this exhibit



- A. Are freckles dominant?

Yes

No

- B. Are attached ear lobes recessive?

Yes

No

3. How long is the human small intestine? 20 feet
4. How many beats/minute does the human heart make? 70
5. Find the exhibit pictured to the right. This exhibit is demonstrating: (circle one)

B. Joints that are damaged or diseased can be replaced.

C. Skeletons are super creepy.

