



Classification of Life

**If your worksheet is completed,
you are allowed to make corrections or additions
just like we do on notes.**

Also double-check your spelling!

*If it is not done, you need to finish it on your own time
and then see me for the answer key to check your work.
Your grade will be based on the # of blanks you did not
complete!*

Site #1: EDPuzzle – Classification Basics

+8

- 1) How are hydra classified? **ANIMALS**
- 2) Which scientist is credited with this system? **Carl LINNAEUS**
- 3) Which two domains are prokaryotes? **BACTERIA &
ARCHAEA**
- 4) Which two levels make up an organism's scientific name? **GENUS &
SPECIES**
- 5) Which level of classification is the most specific? **SPECIES**
- 6) What is the scientific name for a cougar? ***Puma concolor***

Quick Question: What does binomial nomenclature mean?

Site #2: A Touch of Class - You will need to play at least SIX rounds of the game - no repeated topics. Write the topic on a line below, click on all of the organisms that match the topic, and then click the GO button to check your answers. Calculate your score for that round and write it on the line.



Topic - _____	Points = _____	Topic - _____	Points = _____
Topic - _____	Points = _____	Topic - _____	Points = _____
Topic - _____	Points = _____	Topic - _____	Points = _____

What categories did you have?

+12

Which ones were the easiest? Hardest?

Site #4: Ology: The Tree of Life

1. How do scientist use a "cladogram"? **Shows how organisms are related**
2. Click "Explor the Cladogram". Click on the YELLOW CIRCLES to reveal more information.

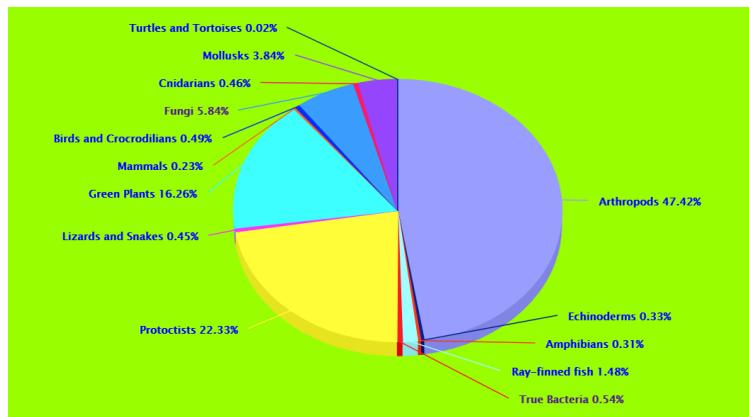
- (1) What chemical in the cells of living things is need for them to work and reproduce? **DNA**
- (2) What type of animals have four limbs with moveable joints surrounded by muscles? **TETRAPODS**
- (3) What type of organism has 2 openings on each side of their skulls called temporal fossae? **DIAPSID**
- (4) What structure do eukaryotes have in their cells? **NUCLEUS**

+ 1 for each blank – Total of +13 for the back

<https://www.amnh.org/ology/features/treeoflife/pages/cladogram.php>

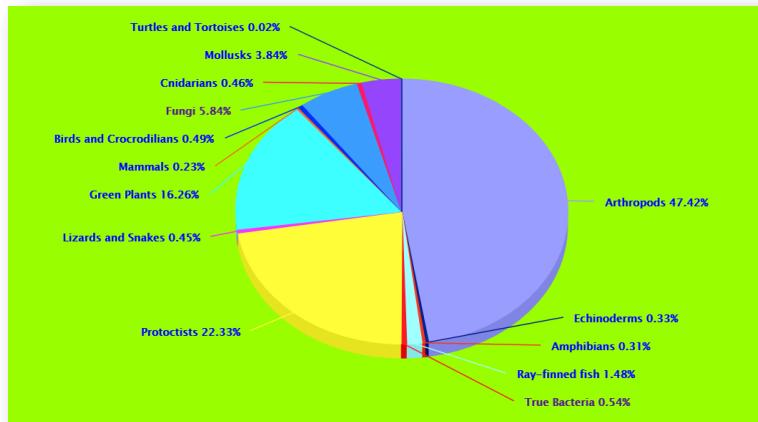
- (5) What type of symmetry exists when the right and left halves are mirror images? **BILATERAL**
- (6) What type of organism has palatal openings or two holes in the roof of the mouth? **SAUROPSIDS**
- (7) What protein do all animals have in common? **COLLAGEN**

3. Click "Find Out" to find a graph to help you answer these questions. Click on the "slices" to learn more.



- (1) Which group of animals makes up the largest "slice" of living things?
ARTHROPODS (47%)
- (2) Which group makes up the smallest "slice" of living things?
TURTLES & TORTOISES (.02%)

<https://www.amnh.org/ology/features/treeoflife/pages/cladogram.php>



- (3) Which group is larger: mammals, green plants, protocists ? **PROTOCTISTS***
Also accepted green plants if using the old graph
- (4) Into what group would humans be classified? **MAMMALS**
- (5) Into what group would insects and spiders be classified? **ARTHROPODS**