

# Classification of Life

Name \_\_\_\_\_

Go to <http://sciencespot.net/> and click the Kid Zone logo.  
Click the link for Cells & Classification in the *Biology* section to find the sites for this assignment.



## Site #1: Biological Classification

1. What does the word "species" mean in Latin? \_\_\_\_\_
2. Who first proposed a system for classifying organisms? \_\_\_\_\_
3. What two terms are used for an organism's binomial name? \_\_\_\_\_ and \_\_\_\_\_

## Site #2: Animal Classification Game

1. Click the link for "ANIMAL CLASSES" to help you identify each animal group by its description.

\_\_\_\_\_ Cold-blooded invertebrates that have 3 body segments and 3 pairs of legs.

\_\_\_\_\_ Warm-blooded vertebrates that have hair or fur, give birth to live young, and nurse their young with milk.

\_\_\_\_\_ Warm-blooded vertebrates that have feathers and wings as well as lay eggs.

\_\_\_\_\_ Cold-blooded vertebrates that have scales, dry skin, and usually lay eggs.

\_\_\_\_\_ Cold-blooded vertebrates that have moist, smooth skin, live on land and water, and have webbed feet.

2. Click the link for "CLASSIFICATION GAMES" and try each one. Record your scores below.

African Savannah - Score = \_\_\_\_\_ North American Forest - Score = \_\_\_\_\_

## Site #3: A Touch of Class

**To play the game ... Write the name of the category in a space below and then click on all of the organisms that match the category listed at the top. When you think you have all of them, click to GO button to check your answers and write your score in the last blank. You will need to play at least six rounds!**

Category - \_\_\_\_\_

Points Earned = \_\_\_\_\_

Category - \_\_\_\_\_

Points Earned = \_\_\_\_\_

Category - \_\_\_\_\_

Points Earned = \_\_\_\_\_

## Site #4: Ology: The Tree of Life

1. What type of diagram do scientists use to show how species are related? \_\_\_\_\_
2. Click "*EXPLORE THE TREE OF LIFE CLADOGRAM*" button. Roll the mouse over the **YELLOW CIRCLES** & read the information that appears to answer these questions.

- (A) What do we call the chemical that cells need to work and reproduce? \_\_\_\_\_
- (B) What structure do eukaryotes have in their cells? \_\_\_\_\_
- (C) What protein do all animals have in common? \_\_\_\_\_
- (D) What do all vertebrates have in common? \_\_\_\_\_
- (E) What term refers to animals with four limbs and moveable joints? \_\_\_\_\_

3. Click "*FIND OUT*" to find the graph and click the **BLUE WORDS** shown on the diagram to answer these questions.

- (A) What percentage of the world's organisms are classified in each group?  
Bacteria - \_\_\_\_\_ Protoctists - \_\_\_\_\_ Green Plants - \_\_\_\_\_ Fungi - \_\_\_\_\_ Mammals - \_\_\_\_\_
- (B) Which animal group makes up the largest percentage of the world's organisms? \_\_\_\_\_
- (C) Choose ONE example of each type of organism and list its common name.  
Echinoderm - \_\_\_\_\_ Cnidarian - \_\_\_\_\_  
Arthropod - \_\_\_\_\_ Mammal - \_\_\_\_\_

## Site #5: Ology: It Takes All Kinds to Make a World

Into which kingdom does each organism belong? Write the name of the kingdom on the line.

- |                          |                     |
|--------------------------|---------------------|
| 1. Blue-Green Alga _____ | 5. Giant Kelp _____ |
| 2. Extreme Microbe _____ | 6. Tube Worms _____ |
| 3. Red Mangrove _____    | 7. Fungus _____     |
| 4. Spiny Lobster _____   | 8. Diatom _____     |

**Done? Visit any of the sites listed in the "Games & Challenges" section of the [Cells & Classification](#) page.**