

# Classification of Life

Name \_\_\_\_\_

Go to <http://sciencespot.net/> and click the *Kid Zone* logo. Click the link for *Classification of Life* 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: Ology: Biodiversity Everything Counts

Click the link for the Explore the Evidence: The Tree of Life. Explore the diagram to answer these questions.

1. What type of diagram do scientists use to show how species are related? \_\_\_\_\_
2. Explore the groups (and yellow circles) shown on the diagram to answer these questions. If you go to another page, click the link for "Cladogram" to return to the diagram.
  - (1) What percentage of the world's organisms are classified in each group?  
Bacteria - \_\_\_\_\_ Protocists - \_\_\_\_\_ Green Plants - \_\_\_\_\_ Fungi - \_\_\_\_\_
  - (2) Which animal group makes up the largest percentage of the world's organisms? \_\_\_\_\_
  - (3) What are tetrapods? \_\_\_\_\_
  - (4) What protein do all animals have in common? \_\_\_\_\_
  - (5) What structure do eukaryotes have in their cells? \_\_\_\_\_
  - (6) Into what group would humans be classified? \_\_\_\_\_

Return to the main page for Biodiversity Everything Counts and find the link for the Inside Story: It Takes All Kinds to Make A World. Read the information and then click the link for "Diversity of Life on Earth."

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

Blue-Green Alga _____	Giant Kelp _____
Extreme Microbe _____	Tube Worms _____
Red Mangrove _____	Fungus _____
Spiny Lobster _____	Diatom _____

Return to the main page for Biodiversity Everything Counts and find the link for the What's This section.

4. Explore this area to learn more about each animal and write its name by its best description.

\_\_\_\_\_ A primate related to lemurs  
\_\_\_\_\_ I'm a blood sucker with three jaws.  
\_\_\_\_\_ A whale with a long, spiral tooth (tusk)  
\_\_\_\_\_ My skin is part black and part yellow.  
\_\_\_\_\_ My bones were used to make huts.



### 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 three rounds!

Category - \_\_\_\_\_ Points Earned = \_\_\_\_\_  
Category - \_\_\_\_\_ Points Earned = \_\_\_\_\_  
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### Site #4: Teacher's Domain - 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 #5: PBS Classifying Life

1. What phrase is given on this website to help you remember the classification categories?

2. Click the link for "Classifying Life" and then classify each organism and complete the chart.

Category	Bear	Orchid	Sea Cucumber
Kingdom			
Phylum			
Class			
Order			
Family			
Genus			
Species			

Final Score = \_\_\_\_\_

**Done? Turn in your worksheet and then you may visit any of the sites listed in the "Games & Challenges" section of the Classification of Life page.**