

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 _____
2. Extreme Microbe _____
3. Red Mangrove _____
4. Spiny Lobster _____
5. Giant Kelp _____
6. Tube Worms _____
7. Fungus _____
8. Diatom _____

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