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: The Tree of Life

1. What type of diagram do scientists use to show how species are related? _____

2. Explore the groups shown on the cladogram to answer these questions.

   (1) What percentage of the world's organisms are classified in each group?

   Bacteria - _____   Prototists - _____   Green Plants - _____   Fungi - _____

   (2) Which <u>animal</u> 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? _____

Site #3: Ology: It Takes All Kinds

Read the information on the page and then click the link for "Diversity of Life on Earth." Classify each organism into the correct kingdom and then write each one on a blank below.

   True Bacteria - _____

   Archaea - _____

   Fungi - _____

   Protists- _____

   Plants - _____ and _____

   Animals - _____, _____, and _____

Site #4: Classifying Critters

1. What is the name given to animals with a backbone? _____

2. Click the *Golden Eagle* to start the online activity. Complete the following statements as you work through each section.

      All birds have _____

      Amphibians are_____

      Mammals are _____

      All fish have _____

      All reptiles are _____

Site #5: PBS Classifying Life

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

2. Classify each organism and complete the chart.

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

Site #6: A Touch of Class
To play the game, 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. Record your scores for each round in the space below.

      Category - _____ Points Earned = _____

      Category - _____ Points Earned = _____

      Category - _____ Points Earned = _____

                                                      Final Score = _____