

Diversity of Living Things!

Define the following words related to the Diversity of Living Things.

Biodiversity

Kingdom

Species

Classification

Characteristic

Classification

- “**Classify**” means: “put items into a group or category based on similar features”
 - A “**Classification System**” is a way of organizing a very large group of things into smaller categories
 - So...we take living things and sort them based on things they have in common with each other
- Both LIVING and NON-LIVING things can be classified in many different ways
- In our world, we sort LIVING things into categories based on 2 things:
 - **Form**: the visible shape or arrangement of something (size, height, shape, etc.)
 - **Function**: the natural activity of a living thing (flying, swimming, etc.)
- Every living thing is placed in to one of 5 categories called “Kingdoms”
- “Classification Charts” show how every living thing gets sorted, from the biggest category (Kingdom), all the way down to the smallest category (Species)

Classification Systems in Everyday Life

Earth is home to *millions* of living things. To help make sense of the world, we organize things and information according to an agreed upon system called a **classification system**. In the spaces below, complete the chart by writing down the "agreed upon" method that is used to classify the items; that is, the most common way the item is classified:

Item(s)	How we classify them
Recipes in a Recipe Book	
Books in a library	
Groceries in a supermarket	
Seats for a concert/hockey game at the MTS Centre	
Items for sale at Canadian Tire	
Movies for rent at a video store	
Menu items at a restaurant	

In Part B, you are going to think of 2 additional ways in which each item from Part A can be classified.

Item(s)	2 New ways they can be classified...
Recipes in a recipe book	1. 2.
Books in a library	1. 2.
Groceries in a supermarket	1. 2.
Seats at a concert or hockey game at the MTS Centre	1. 2.
Items for sale at Canadian Tire	1. 2.
Movies for rent at a video store	1. 2.
Menu items at a restaurant	1. 2.

Classifying Non-Living Things

Write a category name for each group of words.

1. asparagus bean pepper _____
2. turtle tortoise lizard _____
3. valleys plateaus mountains _____
4. sequoia redwood pine _____
5. rockweed sea lettuce kelp _____
6. frog toad salamander _____
7. winter summer fall _____
8. falcon eagle buzzard _____
9. sponge jellyfish crab _____
10. sage thyme rosemary _____

Read each group of words then write the word that does not belong on the line.

1. brother grandmother father uncle _____
2. onion garlic carrot spinach _____
3. Velociraptor Diplodocus Tyrannosaurus
Megalosaurus _____
4. boxer beagle Siamese terrier _____
5. building house skyscraper cottage _____
6. gold copper bronze lead _____
7. viola violin cello oboe _____
8. bee spider beetle locust _____
9. river stream pond ocean _____
10. moon Mars Earth Jupiter _____

Sort the given objects as much as you can (coins, blocks, candy, movies, writing utensils, books)

Schoolyard Search:

1. In groups of 3 or 4, search the schoolyard for as many **different** Living & Non-Living things as you can!
2. Design your own System of Classification...Group things that have LIKE characteristics and separate things that have UNLIKE characteristics.
3. Use this page to **Draw** your **Sorted** objects, and then label your **Categories**.

