Taxonomy Foldable

Task: Create a foldable to add to your notes about taxonomy.

Directions:

1. Obtain five pieces of different colored paper. Fold on piece almost in half, leaving about a ¼-1/2 inch overhang. Fold the next piece of paper over that paper, leaving a ¼-1/2 inch over hang on either side. Repeat.
2. Label your top (smallest) paper TAXONMY and write your name on it.
3. Label the visible flaps of paper down the side with each of the 9 levels of taxonomic classification (from most specific on the smaller paper to least specific on the largest paper).
4. Under flap of each of the note sections record the following information:
   1. \_\_\_\_\_\_\_
      1. 50+ million species are alive
      2. 7 components of all living things: organization, use energy, respond to environment, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_.
   2. DOMAIN
      1. Tells you the type of cells inside an organism
      2. \_\_\_\_\_\_\_ Domains
         1. Bacteria: single celled, no nucleus
         2. Archaea: single celled, no nucleus, modified cell walls
         3. \_\_\_\_\_\_\_\_\_: nucleus where \_\_\_\_\_\_\_\_\_\_ is stored
   3. \_\_\_\_\_\_\_\_\_\_\_\_
      1. Divided based on cell type, ability to make food, & number of cells
      2. \_\_\_\_ kingdoms
         1. \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, Protists, Eubacteria/Archeobacteria
   4. PHYLUM
      1. AKA “Division” in plants
      2. The animal kingdom has 35 phyla while plant kingdom has 12 phyla
   5. \_\_\_\_\_\_\_\_\_\_
      1. Ex: \_\_\_\_\_\_\_\_\_\_\_\_ meaning they have breast and produce milk verses a reptile or a bird
   6. \_\_\_\_\_\_\_\_\_\_\_
      1. Ex: Artiodactyls (Even toed ungulates) meaning they have an even number of toes usually two or four
   7. \_\_\_\_\_\_\_\_\_\_
      1. Comprised of genetically similar species
      2. Ex: Bison and Cattle belong to Bovidae (bovine) family
   8. GENUS
      1. First half of \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ which the first letter should be capitalized. (Binomial nomenclature)
   9. \_\_\_\_\_\_\_\_\_
      1. Second half of \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ which the first letter should be lowercase. (Binomial nomenclature)
5. Write an example in each section for a large animal species (from LIFE to SPECIES)