Classification Foldable Instructions: Use Appendix E in the textbook and/or the internet to search for the required information.

**LEVELS OF CLASSIFICATION**

Choose a GENUS from the previous level to investigate. List 10 species from that Genus that are NATIVE to ARKANSAS. List the common names.

**1.SPECIES** (write definition here)

Choose one FAMILY from the previous level. List the Genera that make up that Family.

List the Genera scientific name AND the common name.

**2.GENUS** (write definition here)

Choose one ORDER from the previous level.

List the Families that make up that Order. List the Family scientific name and common name.

**3. FAMILY** (write definition here)

Choose one Class from the previous level.

List the Orders that make up that class. List the Orders' scientific name and the common name.

**4. ORDER** (write definition here)

Choose one phylum from the previous level.

List the Classes that make up that Phyla. i.e. Chordata. List the Class' scientific name and common name.

**5. CLASS** (write definition here)

Choose one kingdom from the previous level. List the phyla that make up that kingdom i.e. Animalia, Plantae.

(HINT: these two will have the most information to choose from for other levels in the foldable)

List the Phyla's scientific name and common name.

**6. PHYLUM** (write definition here)

You will need to use the top and bottom portions of this flap to have enough room for the notes.

Create a table that displays the characteristics for each of the 6 kingdoms.

Use the table on pg. 459 in the textbook to help with this section.

**7. KINGDOM** (write definition here)

Take notes on the 3 domains: Archaea, Bacteria, and Eukarya. Use top and bottom of this flap to have enough room for notes.(HINT: see pgs. 458-461)

For example, List how many kingdoms are in each domain, give the names for the kingdom.

List if they include unicellular, multicellular; are prokaryotes, eukaryotes.

List general characteristics of each kingdom; how widespread, varied are the organisms in each domain.

List examples of organisms in each kingdom in the domain.

**8.DOMAIN** (write definition here)

**MORE ON BACK→**

Scientific Classification Foldable Notes: Write these on the back of your Levels of Classification Foldable.

1.Define taxonomy.
2.Define binomial nomenclature.
3.Describe the differences between a scientific name and a common name.
4.List 3 examples of an organism's common name and scientific name.
5.Describe how scientific names are written i.e. what parts of their taxonomy is used and grammar involved.
6.Write a brief history of how the scientific naming system was developed. (Who, when, where, why, etc.)
7.Create your own mnemonic device to remember the order of the 8 modern levels of classification.
i.e. daring king phillip can order for great spaghetti OR donkey kong plays chess on frank's game set
8.Define dichotomous key.
9. Describe how they are set up and used.