Name _____ Date _____ Period _____

DEAD STUFF IN JARS LAB

PURPOSE:

The purpose of this lab is for students to classify invertebrate animals into the appropriate phyla and vertebrate animals into the appropriate phylum and class.

HYPOTHESIS:

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_____

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PROCEDURE:

1. Obtain animal classification reference materials, such as your textbook, poster project handouts, or chapter 15a lecture notes.

2. Determine which phylum or class can be matched to each of the 14 groups of preserved organisms.

3. Name at least three organisms in each classification group.

4. In writing your lab report, include the answers to all of the post-lab questions in addition to your purpose, hypothesis, procedure, data table, sources of error, etc...

POST-LAB QUESTIONS:

1. How are each of these terms related to the evolution and diversity of the animal kingdom?

   a. protist   e. notochord
   b. radial symmetry   f. chordata
   c. bilateral symmetry   g. amniotic egg
   d. body cavity

2. Why are invertebrates classified in phyla, but vertebrates are classified in classes?

3. Which came first, the chicken or the egg? Explain.

4. Which came first, the chicken or the chicken egg? Explain.

DATA TABLE:

Animal Taxon	Group #	Three Examples
Phylum *Porifera*		
Phylum *Cnidaria*		
Phylum *Platyhelminthes*		
Phylum *Nematoda*		
Phylum *Molluska*		
Phylum *Echinodermata*		
Phylum *Annelida*		
Phylum *Arthropoda*		
Phylum *Chordata* Class *Chondrichthyes*		
Phylum *Chordata* Class *Osteichthyes*		
Phylum *Chordata* Class *Amphibia*		
Phylum *Chordata* Class *Reptilia*		
Phylum *Chordata* Class *Aves*		
Phylum *Chordata* Class *Mammalia*		