Classification Project: Due November 21

Kingdoms: Animalia, Plantae, Fungi, Archaebacteria, Eubacteria, Protista

Option 1: Build a Model

Choose one kingdom. Pick an organism within that kingdom, and create an ***accurate*** 3-D model of the organism. It does not have to be life-size, but must be proportionally correct.

**Use materials found at home, be creative! Items should be non-perishable.

Option 2: Poster

Make up an imaginary NEW SPECIES, that is ***related*** to organisms found on Earth. Provide a picture of the new species and the other organisms it is related to on the poster. In addition, show the scientific classification (from domain level → species level of your organism).

** Your new species should be classified into the same domain → genus as its related organisms found on Earth, only species should be different

Option 3: Educational Book

Design an educational book that contains a front and back cover, and one page for **each** kingdom covered in class. Each kingdom page should contain:

- Common characteristics (structure, function, lifestyle, reproduction) of organisms in the kingdom.
- Scientific classification (from kingdom level → species level) of **one** organism in that kingdom
- At least one picture of the organism you selected (hand-drawn)!!

*** Complete the Classification Research Page on the animal you select.*

Option 4: Educational Video

Choose **one** kingdom. Pick an organism within that kingdom, that you can find (in the wild) around Raleigh. Create an educational video detailing the structure/function, lifestyle, and reproduction of your organism. Include the scientific classification (from kingdom level → species level of your organism).

** All videos should include footage of your organism and must be G-rated. (If you don't think you should….Don't).

Name_____ Organism _____

Classification Project Research Sheet – Due Friday, Nov 21

Choose an organism from **one** of the following groups:

Plantae, Protista, Fungi, Eubacteria, Annelid worms, Insects, Amphibians, or Mammals

D:
K:
P:
C:
O:
F:
G:
S:

1. Find its classification from Domain down to Species:

2. Respond to the following questions about your organism's lifestyle:

a) What are the major body systems in this organism?

b) What does its usual diet consist of?

c) How does it obtain its food (through what mechanisms)?

d) What are its predators (who should the be ware of)?

e) What does the organism look like when it is first born?

f) What does the organism look like in its adult form?

g) How many offspring (babies) does this organism have at one time?

h) How is the organism useful and/or harmful to humans?

3. Respond to following questions about your organism's structure

a) How many legs/fins/wings/stems does the organism have?

b) Does it have a tail? If so, how long is the tail in comparison to the body?

c) Does it have hands and feet? If so, how many toes and fingers?
Does it have branches or vines? If so, what is a typical number?

d) Where is the head located on the body, describe all appendages coming from the head (does it have ears, antennae, nose, eyes, hair, fur, etc)? **(Animals only)**

e) Does it have an endoskeleton or an exoskeleton? **(Animals only)**

f) Is the body split up into segments, if so what are they?

g) Is the body covered with scales, fur, hair, bark, thorns etc?

****Attach a WORKS CITED sheet to the back – MLA format.**