**Hybrid Animal Project**

**Purpose: Research a hybrid animal and** **create an 8X11 flyer or pamphlet displaying your findings**

Which animal are you researching? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GENERAL REQUIREMENTS:

* + Hand-written or created using publisher or other software. NO BIG POSTERS!
  + List your **resources** on the back of your poster or on the pamphlet.

Rubric of SPECIFIC QUESTIONS to answer on your flyer/pamphlet:

1. What are the parental species?
   1. State both of their 7-level hierarchal names (Kingdom – Species)
      * 1. Remember to format their species name correctly: **G**enus **s**pecies

* Genus is capitalized, species is lowercase
* BOTH words are underlined or *italicized*

1. What are the chromosome numbers
   1. Of parental species?
   2. Of the hybrid?
2. Describe your findings about the hybrid’s appearance and behavior
   1. Is it more like one of its parental species over the other?
3. Based on current evidence, is the hybrid sterile or can it reproduce?
   1. Any interesting details about the evidence for this answer?
   2. If there is documented evidence of reproduction – with which species did it successfully reproduce? Describe the outcome.
4. Where is the hybrid found in the world?
   1. Has it ever been found in nature **or** only in captivity?
5. Print or draw a picture of your hybrid
6. Is there anything else interesting about this hybrid that you have discovered?

**NOTE**: Major points will be deducted for not completing any aspect of the above requirements. Any incident of plagiarism will result in a zero earned. Put all information in your own words and site all resources you used to obtain your information. If you are unsure if what you are doing constitutes plagiarism – ask me before the due date or research “plagiarism” yourself before completing your project. Not understanding what plagiarism is will not be an acceptable defense of “your work”.Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Mods: \_\_\_\_\_

**Hybrid Animal Project Questions:**

1. State a current, accepted definition of “**Species**”: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Define “**viable offspring**” \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. State the **7 basic levels of hierarchal classification** starting with the most general and ending with the most specific (HINT: the first is “kingdom”)

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* 1. State all 7 names for **humans**:

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1. What is the difference between **Crepuscular**, **diurnal,** and **nocturnal** animals?

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1. Define “**Zygote**” : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. There are different barriers for isolating organisms from breeding, some are pre-zygotic (prevent them from meeting, mating), others are post-zygotic (they meet and mate, but no viable offspring result). Decide if each of the following conditions is **a pre-zygotic** isolating mechanismor a **post-zygotic** one:
   1. Geography/location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Active time of day/year/breeding season: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Hybrid (resulting offspring) sterility: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. If two organisms cannot reproduce to produce viable offspring, DO *YOU* THINK should they be considered the same species? \_\_\_\_\_\_\_
   1. **If so,** what other characteristics are more important when considering if two organisms are the same species?

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1. **If not**, why is this characteristic such a “deal breaker” in your way of thinking?

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