

Name \_\_\_\_\_

# Ceiling Cladogram Animal Assignment

My animal for the cladogram is the \_\_\_\_\_

For your animal, there are two major parts of the assignment:

- 1) An artistic part to paint on our cladogram on the ceiling
- 2) A written portion for the binder to explain your animal.

## Final Animal Assignment Requirements:

- Artwork
  - Create a realistic stencil that represents your animal
  - Use the stencil to paint your animal on our cladogram
  - Use the stencil to paint a “cover page” for our binder
- Write a one-page paper that includes these sections:
  - Title: name of animal
  - Author: your name
  - Introduction paragraph
    - Basic description of animal
    - Two interesting facts about animal
  - Paragraph 2: “Story” describing the traits your animal evolved, in order, according to our cladogram
  - Paragraph 3: Relationships to other animals—answer these questions:
    - In our cladogram, what animal(s) is your animal most closely related to?
      - What is the most advanced trait they share?
      - What is the most important difference between the two?
      - Explain how you used our cladogram to answer each of these questions.
    - BONUS: What animal on the AMNH’s cladogram is your animal most closely related to? (Don’t pick an animal on *our* cladogram.) Describe this animal.
      - What are some advanced traits that they share? Explain what each trait means and what advantage it gives the animals.
      - How did you use the cladograms at the American Museum of Natural History to answer each of these questions?
  - Optional: Additional information about the evolution of your animal.

## Resources:

- Pre-fieldwork Worksheet
- Fieldwork Cladogram Worksheet (Yellow Sheet)
- Cladogram Webpage: [www.grymonpre.com/science/cladogram.htm](http://www.grymonpre.com/science/cladogram.htm)