

**Vertebrate Research**  
**200pts**

**Due Date**\_\_\_\_\_

**10% will be deducted for each day late.**

**Parent signature**\_\_\_\_\_

**Print student name**\_\_\_\_\_

You will choose a vertebrate from the list to research. Obtain the teacher's approval for the final choice of your vertebrate.

Your project will be displayed on a poster board or power point submitted on Google Docs

**Gathering data: We will be in the library using the computers and book sources for 2 days during class. After that it is a home assignment**

Research outline as well as rubric for grading must be turned in with taped to back of poster or into the green basket if it is a Google Docs

1. Research both internal and external structures. You must explain how the structures are suited for performing their functions.

- Find the scientific name of your vertebrate.
- Include five structures on your poster.
- Include at least one picture

2. Research habitat. And should do the following:

- Research the factors caused by living beings (biotic). See p 162 for examples.
- Research factors not caused or produced by living beings (abiotic). See p 162 for examples.
- Include information on the impact of your vertebrate and its habitat on humans and vice versa.
- Include at least one picture of the habitat and vertebrate

Conduct your research using at least **two** references from the internet and at least **one** book or magazine article.

Common Name of Animal \_\_\_\_\_

Scientific Name of Animal \_\_\_\_\_

**Structures and Functions (How the structure is used to help the animal survive in its environment):**

1. \_\_\_\_\_

Function: \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_

Function: \_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_

Function: \_\_\_\_\_  
\_\_\_\_\_

4. \_\_\_\_\_

Function: \_\_\_\_\_  
\_\_\_\_\_

5. \_\_\_\_\_

Function: \_\_\_\_\_  
\_\_\_\_\_

Resources MLA FORMAT

## **Research Notes: Habitat**

Where does your animal live and what is the type of habitat?

### **Biotic Factors that influence the habitat:**

Predators or lack of them:

Food preferences and supply:

Population density:

Other species with which the vertebrate interacts in its habitat:

Disease:

### **Abiotic factors that influence the habitat:**

Temperature range:

Precipitation:

Water:

Topography:

Wind:

Shelter:

Nesting site and a place to raise young:

Escape routes from predators:

### **Impact of the vertebrate and its habitat on humans and vice versa:**

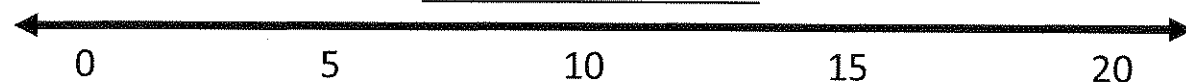
## **Resources MLA FORMAT**

Lesson 13 - Anchor Activity Rubric

<b>Quality of Content about Vertebrate Form and Function</b>	Points Possible	Points Earned
The final product displays exemplary coverage of <b>at least 5</b> structures on your vertebrate and their functions. (more than 5 structures with lots of detail about each one)	80	
The final product displays satisfactory coverage of at least 5 vertebrate structures and their functions. (5 structures and a complete description about the function of each one)	70	
The final product displays below-average coverage of at least 5 vertebrate structures and their functions. (3-5 structures with good detail about the function of each one)	60	
The final product displays limited coverage of vertebrate structures and functions. (less than 3 structures and/or minimal detail about each structure)	50	
Resources MLA Format	10	

<b>Quality of Content About the Vertebrate's Habitat</b>	Points Possible	Points Earned
The final product displays exemplary coverage of the biotic and abiotic factors in the vertebrate's habitat. Exceeds expectations.	80	
The final product displays satisfactory coverage of the biotic and abiotic factors in the vertebrate's habitat	70	
The final product displays below average coverage of the biotic and abiotic factors in the vertebrate's habitat.	60	
The final product displays very limited information about the biotic and abiotic factors in the vertebrate's habitat.	50	
Resources MLA Format	10	

**Presentation Point Scale\***



0  
Did not do presentation

20  
Presentation is organized and communicates the information clearly. The speaker projects their voice and completes the presentation within the 2 minute time allotment.

\*Students may have points taken away for talking during other presentations.