

DUE: \_\_\_\_\_

**Video-Based Assignment for Animal Adaptations:  
Weird Nature: Marvelous Motion**

Today you will be watching a video showing some amazing animal adaptations. Your goal is to examine these adaptations in an effort to understand how they help the organisms survive to pass them on to the next generation.

**Assignment Part 1**

Your assignment is to choose a number of adaptations. How many you choose and use will determine the grade you get. For each one of the adaptations you choose, respond to the following 6 questions. Make sure you number them and answer in complete sentences.

5 adaptations = A

4 adaptations = B

3 adaptations = C

**Questions to address for each adaptation:**

1. What is the name of the organism that possesses this adaptation?
2. Describe the adaptation.
3. How, when, and why does this organism use this adaptation?
4. What are the benefits/strengths of this adaptation?
5. What are the limitations/weaknesses of this adaptation?
6. List the environmental conditions that this adaptation would prove useful in.

**Assignment Part 2**

- A. Draw an imaginary animal on an 8.5 x 11 inch sheet of paper. Neatness and spelling count. Your drawing must include the following:
- a. All of the adaptations you described in Part 1.
  - b. Name of your imaginary animal.
  - c. All the body parts/appendages neatly labeled.
- B. On the back of your drawing describe your animal by answering the following questions using complete sentences:
- a. Describe how this animal might have acquired these adaptations.
  - b. What kind of ancestors might your animal be related to?
  - c. Describe the environmental conditions that might have forced your animal to evolve from its ancestral form to its present form.
  - d. Describe what your animal might look like in the future if its environment should change. Describe the imaginary environmental change(s) that would lead to such a future evolution.