

Natural Selection Cartoon Assessment

I can explain how organisms change over time in response to changes in the environment.

Directions: Illustrate and describe the four steps of natural selection. Use explanations and graphics to model the process of Natural Selection. Use a piece of construction paper for your project.

- I. Choose an animal
 - A. Include information about biome and ecosystem as necessary
 - B. Choose one adaptation that animal has developed
 - C. Don't just write a definition of the 4 steps, use your animal as an example of how the process works. Think back to the examples we have seen.
- II. Include the four steps of Natural Selection (review your notes as necessary)
 - A. Over-reproduction
 - B. Genetic Variation
 - C. Favorable Traits
 - D. Successful Reproduction
- III. Indicate selective force somewhere in your cartoon (probably in favorable traits)

Research hints

- I. Find out where in the world your animal lives (biome, ecosystem, etc.)
- II. What are the factors that your animal has to interact with?
- III. What are the selective forces in the environment?
- IV. Find some images of your animal and practice sketching:
 - A. the whole animal
 - B. the ecosystem (maybe with the animal in it)
 - C. the adaptation

Use the organizers on the following pages to create a rough draft/sketch of your cartoon.
Think about:

- I. How you can sketch each of the four steps
- II. How the adaptation can be shown
- III. How you can explain Natural Selection using your animal as a model

4	3	2	1
Project shows detailed knowledge of natural selection through the lens of the animal example. Explanation includes selective force.	Project shows a solid knowledge of natural selection with a general connection to the animal example	Project shows basic knowledge of natural selection with little to no connection to the animal example.	Project shows little to no correct knowledge of natural selection.