

Ecology Unit Scenario Project

Due Date: May 25th

Points Worth: Two Test Grades (200 points)

Background: You are a journalist on the hunt for the “truth” and you want to study behind the scenes of the Energy and Ecology Industries. You have a large audience depending on your daily stories and new content.

Task: You will create a blog, online journal or website (weebly) to reach out to your fans. You will submit new information daily on your scenario/crisis. The possible scenarios to pick from:

1. Bees and their Existence in North Carolina
2. Offshore Drilling Debate in North Carolina
3. Fracking Debate in North Carolina
4. Renewable Energy Boom in North Carolina
5. Logging Industry in North Carolina

The information included in your journal, blog or weebly:

A. Discuss the issue at hand (Day 1 Prompt)

- a. How does it impact NC’s economy, environment and organisms populations (including humans)
- b. Be sure to give specific examples of each (at least three for each category!)

B. Energy Pyramid (Day 2 Prompt) - check this out:

<https://www.learner.org/courses/essential/life/session7/closer5.html>

- a. Create an energy pyramid for your situation
- b. Show the pyramid with and without the issues (similar to before and after)
- c. Explain the importance of the producers and ALL the consumers

C. Adaptations (Day 3 Prompt)

- a. How are organisms evolving/adapting to the changes in their environment
- b. Give at least three adaptations - one environmental, one physical and another one.
Explain why they adapted that way (why did they benefit from that change)

D. Solutions (Day 4 and 5 Prompt)

- a. Create and explain 2 possible solutions
- b. Discuss the impact it would have on the environment, organism populations and NC’s economy.

Rubric:

Category	Description	Point Value
Daily Post (5 days)	Each Day Information is posted or allowed to be viewed by an audience (Use the prompts to help!)	25 points
Part A Discuss the issue at hand	NC's economy - money to fund the issue or money to possibly solve the issue NC's environment- air and water impact NC's organisms populations (including humans) - how the populations impacted Be sure to give specific examples of each (at least three for each category)(economy, environment and organisms)	50 points
Part B Energy Pyramid	Create an energy pyramid for your situation (use google drawings or google docs) Show the pyramid with and without the issues (similar to before and after the issue can about) Explain the importance of the producers and ALL the consumers	40 points
Part C Adaptations	How are organisms evolving/adapting to the changes in their environment Give at least three adaptations - one environmental, one physical and another one. Explain why they adapted that way (why did they benefit from that change)	25 points
Part D Solutions	Create and explain 2 possible solutions Discuss the impact it would have on the environment, organism populations and NC's economy. Be sure to include all details, who is involved, how much it will cost, who does it impact and how long will it take to complete.	50 points
Website/ Journal	Design is easy to access Colorful and unique Word language in your own words	10 points

No LATE Projects are accepted!!

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