

Biology B - Human Impact Portfolio

(Lesson 3.4)



For this portfolio you will create a **Google Slides Presentation** that showcases human impact issues in South Carolina. In your presentation, you will research, explain, and provide examples of major human impact issues that plague South Carolina ecosystems. Your presentation must reference the topics/questions below. Be sure to include at least 1 graphic per slide and cite any references you use to obtain this information. Use APA format for your works cited page/slide on the last slide of the presentation. Need help? Check out this [video walkthrough](#) explaining this project. ***Important: all submitted material must be your own written words, plagiarism will result in a zero for this portfolio.***

Slide 1: Student Information (1 point)

- Title of Portfolio: Human Impact Portfolio
- Graphic/Photo to illustrate your project
- Student Name
- Student Teacher
- Date

Slide 2: HUMAN OVERPOPULATION / URBAN SPRAWL (3 points)

- How many people live in South Carolina? Which city is most populated?
- How has the population in South Carolina changed over the last 20 years?
- How are other species impacted by human population growth?
- Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 3: GLOBAL WARMING (3 points)

- What is global warming?
- How has global warming affected SC? Give a specific example.
- What can be done currently or in the future to solve/prevent this problem?
- Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 4: ACID PRECIPITATION (3 points)

- What is acid precipitation?
- Has acid precipitation affected SC?
 - o Hint: what about South Carolina's climate protects it from acid rain?
 - o Describe how this affects neighboring states
- What can be done currently or in the future to solve/prevent this problem?
- Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 5: INVASIVE SPECIES (3 points)

- What is an invasive species?
- Describe an invasive species that has impacted SC.
 - o Give a specific example and illustration. ([Here is a great source for info.](#))
 - o Explain the history of this species and its implications on the environment.
 - o Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 6: BIOLOGICAL MAGNIFICATION (3 points) - ([Watch this short video!](#))

- What is biomagnification?
- Describe an example of a toxin that is biomagnified in a South Carolina ecosystem.
- Explain where that toxin comes from and/or how it gets introduced to the ecosystem.
- Explain how biomagnification affects a food chain in South Carolina.
- Describe the specific ecosystem that is affected (lake, mountain, marsh, etc.)
- What organisms are most affected by this biomagnification and in what way?
- What can be done currently or in the future to solve/prevent this problem?
- Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 7: POLLUTION (3 points)

- Give specific examples of:
 - o A water pollutant and how it affects a South Carolina ecosystem.
 - What organisms are most affected and how?
 - How is the pollutant getting in to the ecosystem?
 - o An air pollutant and how it affects a SC ecosystem.
 - What organisms are most affected and how?
 - How is the pollutant getting in to the ecosystem?
 - o A land pollutant and how it affects a SC ecosystem.
 - What organisms are most affected and how?
 - How is the pollutant getting in to the ecosystem?
- Graphic/Photo to illustrate this topic.
- *Don't forget to include citations on final slide*

Slide 8: CITATIONS (3 points)

- This slide will list all citations used in APA Format
- Help with APA formatting: [Citation Machine](#)

Slide 9: Required Honor Code Documentation

Complete the Honor Code Attestation (**required**):

I, _____(your name) certify that I have neither given nor received any unauthorized aid in this Evolution Portfolio.

Signed,
(type your name)

Date:

How to submit:

******In Google Slides, save your Portfolio as a PDF and then upload it to Connexus Lesson 2.12 dropbox.**