

Biology I Reports for Hinterthuer

Since the huge world of biology cannot be covered in a semester, students are expected to choose a topic related to biology in which they have an interest. The report should be five pages in length up to eight pages in length, in addition to the Title Page, and a Works Cited Page. Three different resources should be used in researching the topic. Follow MLA standards for documenting sources in Works Cited. The paper will be graded on the following criteria:

Is the paper turned in on time? By April 27th for full credit -5 per each day late	5
Does the paper relate to biology? (Consult with me if you have questions.) Paper needs to sufficiently discuss the subject.	10
Has the student used standard grammar, spelling, development of thesis?	5
Does the paper have the correct format? 5 - 8 pages, with title page, double-spaced on computer or typewriter. Font: New Times Roman, 12.	10
Documentation: Three sources at <u>5</u> pts.each. Use journals, books, Internet for major sources; only one Encyclopedic source will count toward the three. Popular magazines are discouraged unless sources are documented.	10
Paper is in your own words; paraphrase or give credit for content not from your own experience.	<u>10</u>
TOTAL:	<u>50 pts.</u>

Due Date: Reports will be due April 27th. You may choose to give a five to ten minute presentation of your topic to the class (5 extra pts.). Those people who participated in the Service Learning Program and achieved their 15 hrs. service are exempt from the report, but may share their experience orally for 5 extra points. Documented completion of a 15 hr. program and a 3-4 page reflective essay on your experiences will substitute for the research paper, counting 50 pts. If you did not finish the project you attempted, I will give extra credit points (5-10 pts.) depending on length of time worked); however, you will need to turn in the report by the due date.

The following is a list of topics that are recommended for the report. If you have an idea and aren't sure if it is appropriate, please discuss with me before you start. Remember it must relate directly to the subject of biology.

Note – This is not an outline to use but rather a selection of different topics within a broad topic for you to consider. Make sure your topic is not so broad that it cannot be developed within a 5 – 8 page paper. **Ask if you have any questions.**

A. Populations:

1. Human population and how its growth affects natural environment of earth
2. Re-introduction of populations of animals, plants within areas where humans reside. (*ex.* Wolves in Yellowstone, elk in Newton County, Arkansas)

B. Impact of humans on environment: Choose a negative or positive impact.

1. Regionally – water quality, air quality, natural resources
2. Globally – Ozone depletion, Global Warming, Loss of species
3. Pollution/litter/recycling
4. Things we have done right!! Where have all the PCBs, leaded gasoline, asbestos, CFCs, gone?

C. Ecosystems in Northwest Arkansas: Choose one to research thoroughly.

- A. Eastern deciduous forest
- B. Prairie
- C. Aquatic – ponds, lakes, rivers, wetlands
- D. Glades, barrens

D. Biosphere: – Choose a biome you would like to visit or learn more about.

- A. Tundra
- B. Coniferous Forest (Taiga)
- C. Tropical Rainforest
- D. Temperate Rainforest
- E. Desert
- F. Grasslands, prairies, pastures
- G. Shrubland
- H. Aquatic Ecosystems:
 1. Ocean
 - a. Coral reef
 - b. Continental Shelves
 - c. Marianas Trench
 2. Lake, river, estuary, etc.

E. **Animals, Plants, Protists, Monerans, Fungi** in which you have an interest. Choose any member of the above in which you have an interest. Perhaps you have recently had strep throat! What caused it? How do you get rid of it? Is it more common today than in the past?

F. **Medicine:** Report on a disease or condition that is of interest to you. Relate it to topics we have discussed during the semester if possible.