

Essay #3 Synthesis-Explanatory (Informative)

1300-1500 words

1st Draft of Essay due on : March 7
Final Draft of Essay due : March 21

Subject Area: Natural Sciences: Biology, Ecology, Chemistry, Physics, Applied Sciences

Essay Type: Synthesis - Explanatory (Informative) ; Literature Review

References: At least seven (7) to ten (10) references from UF journal databases

Subject Area and Method:

The subject focus will be on one of the areas of the Natural Sciences noted above. The student will compile, read and analyze written sources and then incorporate these sources (ideas) into a paper in a seamless manner. The student will utilize explanatory synthesis to produce a “literature review” essay, e.g., reviewing the most recent research in a narrow field in an objective manner. Specific science subject-oriented journal databases covered in class will be used.

The student will apply the theoretical and argumentative principles of “Explanatory Synthesis” as contained in chapter four of *Writing and Reading Across the Curriculum* (10th ed.). He (she) will select one general topic from the list below. The student will then carefully plan the essay from thesis through outlining, initial sketching and writing, and will revise and edit the essay through 2 draft revisions and various editing instances. Topic and focus must be approved by the professor.

Format:

The composition will not exceed 1500 words, double-spaced with Arial font size 12. If you need to cite (or paraphrase) an author, you can do so by using a parenthetical citation (in-text citation) and placing the bibliographic reference in the *References* section. This section needs to be in a separate page. There should be one inch on all four margins of the paper. Your name and other information should be written on the first page according to APA conventions. A “running head” should be present on all pages, including the first page. APA style will be required.

Grammar and Style:

The composition must be impeccable. The writing must be free of any grammatical errors. The style must be pleasant and readable; no bumpy roads, no repetitions, and be sure to watch your “diction.” Remember, knowing and targeting your audience is most important. Also, be sure that you have proper transitional devices between paragraphs, and that the writing has a logical sequence and order. Outlining beforehand will help you considerably. Don’t scatter your evidences. Be sure to do “synthesis” of sources and not merely a summary of these.

List of Science Topics: [other topics may be used w/ prior approval]

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|----------------------------|------------------------------|-------------------------------|
| ~ Herpetology | ~ The Genome Project | ~ [A Geological Phenomena] |
| ~ Entomology | ~ Black Holes | ~ Continental Drift |
| ~ Thyroid Deficiency, etc. | ~ Human Neurons Research | ~ HIV Research |
| ~ Alzheimer’s | ~ Mathematics and Musicology | ~ Tree Frogs in the Caribbean |
| ~ Hydrogen Fuel-Cells | ~ The Chemistry of Terrorism | ~ Biochemistry of Salt |
| ~ Organic Chemistry | ~ Biology of Love Bugs | ~ Cancer Research |