DATT  

Biology Scientific Article Review

Formatting:
- Put the citation of the article at the top of the paper using the format given to you by your instructor.
- Other formatting issues such as cover pages, subtitles, etc. are all at the discretion of the instructor.

Content:
- Summarize the who, what, where, why, and when of the article.
  - Who did the research?
  - What were they examining?
  - What was the hypothesis?
  - What variables did they look at?
  - Why was it important?
  - Where was the research done?
  - When was the research done? Is it recent?
- What were the funding sources for this experiment?
- Did the researchers include enough detail so you could recreate the experiment? This section can describe methodology and also include any comments about it such as if the researchers did not include details on a certain portion of the experiment so it would be impossible to recreate.
- Did the data support the hypothesis? If not, did the researchers provide an explanation?
- Examine graphs and data tables thoroughly. What kind of data is given? Did they do statistical analyses? If so, were the findings significant?
  - Students have the option of using visual aids, but usually they just refer to the figure or data table inside the article instead of including it themselves because they will be attaching a copy of the article. If they are doing a PowerPoint presentation, then they should include the figure, so everyone can see what they are referring to.
- What conclusions were reached?
- What is the next step? What do the scientists say should now be done?
- Depending on the instructions, you may need to provide your thoughts on the research. Did the scientists follow an appropriate protocol? What could be improved upon in their experiment?
- In terms of defining vocabulary, it depends. Have they discussed these terms in class? If so, no need to define them. Are they in a non-majors class? If so, they should probably define them.