**Science in the News Report: Student Handout**

**Directions:**
**1. Find and article about scientific research/observations** that was published within the last month from a newspaper, magazine, or journal, in print or from the Internet. The article must be at least 200 words long. The shorter the article, the harder it will be to answer the questions.

2. Print out or copy the article you have chosen so you can do some underlining on it.

3. While reading the article, underline, in different colors, the following information (make a key on your answer sheet or article). You choose the colors.

* What were they trying to find out or what question where they trying to answer; **the hypothesis.**
* The **methods** or procedures the scientists were using.
* The **type of data** collected; qualitative (not in terms of numbers) or quantitative (in terms of numbers).
* What the scientists found out; the results and **conclusions**.
* Are there any further studies that will be conducted on this topic?

4. Please number the questions below on a separate sheet of paper the same way I have them. You do not need to write the question, but you can if you prefer. Make sure you have your name on the answer sheet.

5. Staple the article or copy of it to the back of your answers.

Questions:
1. a) Title of the article
 b) Topic of the article:
 c) Author(s):
 d) Source of the article( name of newspaper, magazine, or URL with the name of Internet site).

2. a)Write the full name of a person quoted in this article (If no one was quoted, choose a different article
 b) Why was this person quoted? What was his/her expertise?

3. How did scientists obtain the evidence on which this article was based? What steps did they follow, what types of tools did they use, and what type of data did they collect?

4. Why was this research conducted? To discover new aspects of the natural world, to explain observed phenomena, to test the conclusions of prior investigations, or to test the predictions of current theories?

5. DISCUSS at least **two** of the choices below and specify which ones you have chosen. Just "No" would not be an acceptable answer here.

1. How does society and scientific [ethics](http://dictionary.reference.com/browse/ethics) impact this research?  *For example:* Research involving human subjects may be conducted only with the informed consent of the subjects.
2. How do [human values](http://www.ask.com/question/define-human-values) and [constraints](http://dictionary.reference.com/browse/constraint) (i.e. limited resources) affect this research? *For example:* Economic, environmental, social, political, ethical, health, safety, and sustainability issues.
3. Is there any [bias](http://www.biology-online.org/dictionary/Bias) to this research and why it is biased? *For example:* Funding of research can influence questions studied, procedures used, analysis of data, and communication of results.
4. Has there been any development and new understandings of this research over time? If yes, describe the development.
5. Were there two sides/views of this research presented? If yes, what where they and how did they differ?