***DevilPhysics***

***IB Physics***

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Baddest Class on Campus***

**PROFESSIONAL JOURNAL EXERCISE:**

***Heins Effect***

***You are about to read an article relating to electromagnetism that is slightly beyond your current level of understanding. Why are we doing this? There are two reasons: 1) It is in fulfillment of one of the key objectives of the Student Harassment Program and, 2) It is an exercise to show you just how much you can learn from a highly complex article by using the background knowledge you already have, and using clues given by the context of the material. The primary goal is to help develop your skills in deriving knowledge from very complex material. The secondary goal is to earn an easy 13 points and get out of listening to me lecture for one period.***

**Procedure:**

1. Save this file as, “**FirstinitialLastnamePerXJourExHeinsEffect**”.
2. Complete the exercise below by ***typing*** your answers in the boxes provided. Handwritten assignments will not be accepted. When you are finished, you can print a hardcopy and turn it in next class period, or you can upload it to FOCUS.

**Exercise:**

1. Read the article entitled, “The Heins Effect” which is a PDF file on the class webpage under today’s assignments. The article is a commentary on work done by someone else. Some of the technical aspects may be beyond your level of knowledge, so don’t get bogged down in details. Instead, try to use what you already know about electromagnetism to figure out what the author is saying.
2. (1point) Explain the author’s intent in writing this article: *advocacy/influence, informational, directive or a little of each*?
3. (1point) In one sentence, give the author’s thesis.
4. (2points) In one or more paragraphs, summarize what the article tries to convey.
5. (1point) What benefits does the author propose the invention will bring?
6. (1point) What other benefits do you think the invention could bring?
7. (1point) If you wanted a better understanding of this article, what terms or concepts would you need to learn more about? List 10 or more.
	1.
	2.
	3.
	4.
	5.
	6.
	7.
	8.
	9.
	10.
8. (2 points) Go to the website where the article came from, <http://evworld.com/article.cfm?storyid=1890>. What evidence can you gather that this article is legitimate? What evidence can you gather that the whole thing is a hoax? Do you think it is real or a hoax? Why?
9. (1 point) View the YouTube video, *Regenerative Acceleration Generator Innovation - Confirming the Negative Lenz Effect*, at <http://www.youtube.com/watch?v=VSCIws7zppU>. What evidence can you gather that the Heins Effect is legitimate? What evidence can you gather that the whole thing is a hoax? Does the video influence you think it is real or a hoax? Why?
10. (1 point) View the YouTube video, *Debunked - Thane Heins, ReGenX, delayed lenz, shorted coil, acceleration effect*, at <http://www.youtube.com/watch?v=kfRxsC9yumQ>. What evidence can you gather that the Heins Effect is legitimate? What evidence can you gather that the whole thing is a hoax? Does the video influence you think it is real or a hoax? Why?
11. (2 points) Do your own research on the internet to find evidence either supporting or refutes the Heins Effect. Give the link to the website and explain how and why the source either supports or refutes Heins’ claim.