

AP PHYSICS  
IB PHYSICS

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

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

DEVIL  PHYSICS  
BADDEST CLASS ON CAMPUS

WEBQUEST

**Home Page**

1. Give one answer to the question, "What is Devil Physics?" \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. What is the correct spelling of the first name of the student who said, "*Physics can be applied in more than many ways to help benefit society . . .*" \_\_\_\_\_
3. What aspect of the SPHS mission do you feel is most important for an effective education? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Which of the SPHS Core Values are most important for your individual success?  
\_\_\_\_\_  
\_\_\_\_\_
5. Briefly explain what hard water is (according to the website). \_\_\_\_\_

**Hot News**

6. What is the website for the Intel STS jump-start packet? \_\_\_\_\_  
\_\_\_\_\_
7. According to an unnamed former IB student, an IB diploma is worth about how many college credit hours? \_\_\_\_\_

**Important Information: Class Guidance**

8. State the three aspects of the IB Learner Profile that you feel are most important for a successful student.
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 3) \_\_\_\_\_

9. According to the SPHS IB Honor Code, “Students who are mature enough to select a difficult and valuable program must also be mature enough to, \_\_\_\_\_
10. According to the SPHS IB Honor Code, “Every student has the right to pursue an education free from the problems caused by, \_\_\_\_\_
11. According to the IB Academic and Disciplinary Guidelines for 2014-2015 (new one hasn't come out), what can get a 10<sup>th</sup> grader kicked out of IB at the end of the year? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
12. According to the IB Academic and Disciplinary Guidelines for 2014-2015, “According to the IB, CAS activities must be performed on a continuous basis over \_\_\_\_\_
13. If a student is out of compliance with CAS at the end of the junior year, what must the student do in order to start their senior year? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. According to the IB Academic and Disciplinary Guidelines for 2014-2015, “Students in the IB Program are expected to abide by the Pinellas County Schools Code of Student Conduct. In order to remain in the program, IB students are held to, \_\_\_\_\_
15. According to the Nature of Physics, Maxwell’s theory could not explain the interaction between radiation and matter and was replaced by, \_\_\_\_\_
16. According to the Nature of Physics, “Physics, therefore, above all, is, \_\_\_\_\_

**Important Information: Important Links**

17. You decide to explore interesting science sites engineering. What is a web address for Profiles of Scientists and Engineers? \_\_\_\_\_  
\_\_\_\_\_
18. You are interested in Exploring Black Holes: General Relativity and Astrophysics. From the Academic Earth Video Lectures in Physics, who teaches a course on that subject?  
\_\_\_\_\_
19. In the MITOPENCOURSEWARE series, if you wanted to take the course on Introduction to Computational Neuroscience, what MIT course number would you use to order? \_\_\_\_\_

**Important Information: Nobel Prize Winners in Physics**

20. According to the Nobel Prize Extra Credit Essay Requirements, what 6 areas must the paper address? \_\_\_\_\_

\_\_\_\_\_

21. What are you supposed to talk about for the 'When' portion of the paper? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Important Information: Widgets**

22. What is the total field gravitational acceleration in Peoria, IL to five decimal places? \_\_\_\_\_

23. If I drive my Rocket Nissan Frontier off a 35° ramp at 35 m/s, what will be its maximum height attained in meters assuming it follows a typical projectile trajectory (and we neglect air resistance because we always neglect air resistance)? (*Note: you may have to hit submit twice*) \_\_\_\_\_

**Important Information: Internal Assessments - IB Physics**

24. Doing an Internal Assessment on " The exponential nature of a bouncing ping-pong ball" sounds like a simplistic topic. What score did the example paper on this topic receive? \_\_\_\_\_

**Important Information: Calendar**

25. Your favorite day of the year is March 14th. What letter day is this (IB: ABC, Trad: ABCDEF)? \_\_\_\_\_

\_\_\_\_\_

26. What big event took place on Aug 20th this year? \_\_\_\_\_

\_\_\_\_\_

**Contact Me**

27. From the dropdown menu, what 'Class' do I get the most contacts from (choose the most obvious answer)? \_\_\_\_\_

**Grading Scale:**

24-27 = 5 pts

19-23 = 4 pts

14-18 = 3 pts

8-13 = 2 pts

3- 7 = 1 pt