


Wednesday, April 29/15
Science 122

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1. Questions?
Worksheets - Half-Life, Activity and Decay Constants (2)
Worksheet - Energy of Photons, Work Function, Etc.
Worksheet: Nuclear - Energy Levels
 2. Test: Nuclear Physics -> Monday, May 4/15
 3. Topic 6 - Thermodynamics
 4. Handouts - Intro To Thermodynamics
 5. Linear Expansion - To Be Continued
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Wednesday, April 29/15
Physics 122/121

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1. Return -> Quiz: U2-S2 - Circular Motion and Universal Gravitation
- Rewrite: Wednesday, May 6/15 in IS
 2. Progress Reports
 3. SHM - Continue
 4. Finish Example of Mass on a Spring } HW
Text: Page 608, #1-4
Page 623, #23-27, 30
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5. Period of a Pendulum
 6. Text: Page 614, #5-8
Page 623, #28, 29
 7. Unit 2 Test - Friday, May 8/15
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Quiz - U2-S2

Prob. #1. a) 481 km 


b) 2.84 m/s^2

$$g = \frac{GM}{r^2}$$


$$a_c = \frac{4\pi^2 r}{T^2}$$

2. $\theta = 21.9^\circ$

$$m_1 = m_2 = m$$

3. $F = \frac{Gm_1m_2}{r^2}$ 

$m = 7.11 \times 10^{-31} \text{ kg}$

acc. m/s^2
due to grav.

4. a) $v = 8.4 \text{ m/s}$

b) $a_c = 1.1 \times 10^2 \text{ m/s}^2$

c) $f = 2.0 \text{ Hz}$



Wednesday, April 29/15
Science 10

1. Article Review - Unraveling the Light of Fireflies
- Due: 5 Days Late Today
 2. Experiment - Measurements and Significant Digits
- 2 Days Late Today
 3. Chemistry Task Sheet - 2 Days Late
 4. Return -> Formative Assessment - Rearranging Equations
-> Page 349: #7
 5. Progress Reports
 6. Graphs (In General)
 7. Distance vs Time Graphs
 8. Activity: Tumble Buggies -> Data was collected today.
-> To Be Continued
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