


Thursday, April 23/15
Science 122

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1. One More Example of Activity, Etc.
 2. Worksheets - Half-Life, Activity and Decay Constants (2)
 3. Electron-volt
 4. Quantization of Energy
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5. Einstein and the Photoelectric Effect
 6. Worksheet - Energy of Photons, Work Function, Etc.



Thursday, April 23/15
Physics 122/121

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1. Experiment 8.1 - Kepler's Laws - Page 49
Due - 1 Day Late Today
 2. Period of an Orbiting Object
 3. Quiz: U2-S2 - Circular Motion and Universal Gravitation
- Tuesday, April 28/15
 3. Investigation 12-A: Orbital Speed of Planets, Page 581
- Due: Friday, April 24/15
 4. Worksheets - Kepler's Law, Law of Gravitation, Etc. (3)
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Thursday, April 23/15
Science 10

1. Return: Quiz - Compounds and Reactions
 2. Lab - Types of Reactions -> 3 Days Late
 3. Article Review - Unraveling the Light of Fireflies
- Due: 1 Day Late Today
 4. Formative Assessment: Significant Digits and Rules
 5. Defining Equations
 6. Rearranging Equations
 7. Worksheet - Rearranging Equations - HW
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8. Experiment - Measurements and Significant Digits

Formative Assessment - Significant Digits and Rules

April 23/15

1. State the number of significant digits in each measurement.

- a) 0.090 kg 2 SD
- b) 120 cm 3 SD
- c) 3.060 x 10² m 4 SD
- d) 809.007 N 6 SD

2. Report answers to the correct number of significant digits and identify the rule you used to do so.

<p style="text-align: center; color: blue; font-style: italic;">Precision Rule</p> <p>a) $\begin{array}{r} 167.905 \text{ m} \\ + 2.5 \text{ m} \\ \hline 170.405 \text{ m} \end{array}$ <p style="text-align: center; color: green; font-style: italic;">170.4 m</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 10px;"></div> </p>	<p style="text-align: center; color: blue; font-style: italic;">Certainty Rule.</p> <p>b) $\begin{array}{r} 4.68 \text{ m} \\ \times 1.3 \text{ m} \\ \hline 6.084 \text{ m}^2 \end{array}$ <p style="text-align: center; color: blue; font-style: italic;">6.1 m²</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 10px;"></div> </p>
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