

{ May 23 - Victoria Day (Monday) }
{ May 27 - Professional Learning Day (Friday) }

Physics 112

Tuesday, May 17/16

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Explain That Stuff - May 20/16

1. Review - Unit 2 Tests
2. Return -> Assignment: U3-S1 - Work
3. Check -> Worksheet: Textbook - Page 238, PP #19-21
Textbook - Page 245, PP #22-25

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4. Potential Energy
 5. Gravitational Potential Energy
 6. Work-Gravitational Potential Energy Theorem
 7. Worksheet - Textbook: Page 250, PP # 27, 29
Textbook: Page 254, PP # 30-33
 8. Hooke's Law
 9. Elastic Potential Energy

Science 122

Tuesday, May 17/16

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1. Examples - Continue
 2. Worksheets: Half-Life, Activity and Decay Constant (2)
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3. Quantization of Energy - Planck
- Einstein
 4. Photoelectric Effect
 5. Worksheet: Energy of Photons, Work Function, Etc.

Start with

$$N = N_0 e^{-\lambda t}$$

$$A = A_0 e^{-\lambda t}$$

$$m = m_0 e^{-\lambda t}$$

$$N = N_0 e^{-\lambda t}$$
$$\left\{ \frac{N}{N_0} = e^{-\lambda t} \right.$$

→ fraction of nuclei that remain *

remain

Science 10

Tuesday, May 17/16

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Roller Coasters - Deadline: Thursday, May 26/16

1. Article - Pass in for Marking: Wed. May 18/16
 2. Return "Test - Physics Unit"
 3. Factors Affecting Ecosystems
 4. Worksheet - Biotic and Abiotic Factors (Completed in Class)
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5. Classifying Organisms
 6. Energy Movement in Ecosystems
 7. Trophic Levels (Feeding Levels)
 8. Food Chains
 9. Food Webs

Physics 122

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Explain That Stuff - May 20/16

1. Test - Unit 2 -> Wednesday, May 18/16

***Planetary Motion and SHM**

2. Electrostatic Force - To Be Continue

3. Worksheet: Charge and Coulomb's Law (2 Charges)

4. Coulomb's Law - Three Charges