

Science 10

Monday, April 16/18

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*Help with chem topics

1. Return
SA - Translating Reactions into Balanced Chemical Equation
 2. SI System of Units - Base Units
- Derived Units
 3. Scientific Notation
 4. Certainty and Significant Digits
 5. Our Rule for Counting SDs
 6. [Worksheet – Counting Significant Digits and Rounding](#)
 7. Exact and Defined Values
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8. Rounding Values
 9. [Worksheet – Counting Significant Digits and Rounding](#)
 10. Certainty Rule for Multiplying and Dividing Measurements
 11. Precision Rule for Adding and Subtracting Measurements
 12. [Worksheet – Certainty and Precision Rules](#)
 13. Defining Equations
 14. Rearranging Equations
 15. [Worksheets - Rearranging Equations](#)
 16. Metric Conversions
 17. [Worksheet - Metric Conversions](#)

Physics 112

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Midterm - Monday, April 30

1. Return -> SA - U2 S1
-> Redo Request Forms Available
 2. Questions?
Worksheet - Practice Problems -> C4, Page 144: 5-7
Worksheet - C4 - Weight and First Law Problems
Page 151: PFU #26-28, 30-32, 34
 3. FA - First Law - Tomorrow
-
4. Newton's Second Law of Motion (Law of Force, Mass and Acceleration)
 5. Handout - Second Law of Motion
 6. Second Law Problems - Type I, II and III
 7. Examples: Type I and II
 8. Net Force Equations and Dimensions
 9. Example: Type III

Physics 122

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1. FA - Coulomb's Law - 2 Objects - Justifications

2. FA - Coulomb's Law - 3 Charges with Angles

3. Non-Uniform Fields -> To Be Continued

4. Uniform Field

5. Strength (Intensity) of an Electric Field

6. Worksheet - Textbook: Page 646, #11-14

Textbook: Page 655, #20-24

7. Review - Gravitational Potential Energy

8. Formula: Electric Potential Energy

9. Electric Potential Difference

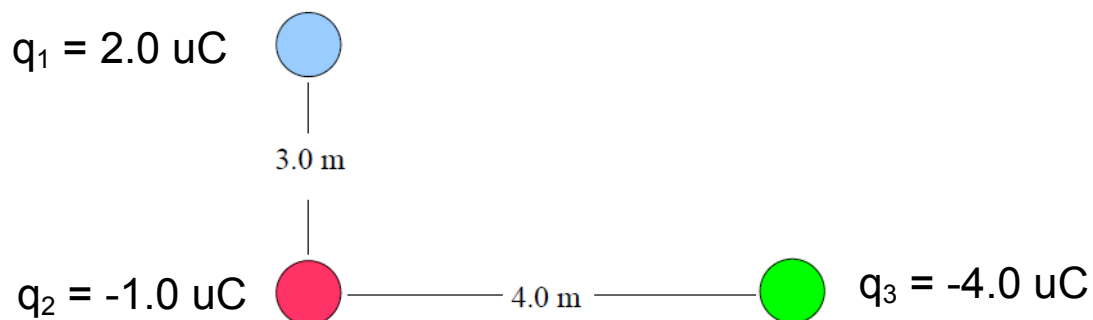
10. SA - U3 S1-> Topics

-> _____

Formative Assessment

Coulomb's Law - 3 Charges with Angles

Three charges are arranged as shown below. Find the net electric charge on q_3 .



Science 122

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1. Radioactive Isotopes and Uses

2. Check

Worksheets: Half-Life, Activity and Decay Constants

3. FA - Activity, Half-Life, Etc.

4. Electron-volt

5. Quantization of Energy

6. Photons

7. Photoelectric Effect