Physics 112

Thursday, February 7/19



- 1. Class List/Seating Plan
- 2. Assignment My Alphabetical Autobiography- 1 Day Late
- 3. Check #10: Worksheet Percent Error Practice Problems
- 4. Significant Digits Operation Rules Continue
- 5. Worksheet: Certainty and Precision Rules (Checked in Class)
- 6. FA Scientific Notation, Percent Error and Operation Rules (Tomorrow or Monday)
- 7. International System of Units
- 8. SI Fundamental/Base and Derived Units
- 9. SI Prefixes
- 10. Metric Conversions
- 11. Worksheet Conversions and Equations
- 15. Rearranging Equations
- 16. Worksheet Conversions and Equations

10) A student's calculation was found to have a 15.6% error, and the actual value was determined to be 25.7 mL. What are the two possible values for the student's experimental measurement?

$$9.21108 = 15.695 = 0.156$$
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$$-0.156 = \frac{e-a}{a}$$
 $-0.156 = \frac{e-a}{a}$
 -0.156

Physics 122 Thursday, February 7/19

http://mvhs.nbed.nb.ca/

- 1. Questions?
 Worksheet: Vectors Perpendicular Components
- 2. FA Perpendicular Components of a Vector FA Adding Vectors Using Perpendicular Components (tomorrow in class or complete for Monday)
- 3. Type I: Pulling or Pushing An Object -> Continue
- 4. Worksheet: Force Problems Type I
- 5. FA Force Problem Type I Pull FA Force Problem Type I Push
- 6. Static Equilibrium
- 7. Type II: Suspended Objects Simple
- 8. Worksheet: Type II (Suspended Objects Simple)
- 9. Type II: Suspended Objects Complex
- 10. Worksheet: Type II (Suspended Objects Complex)

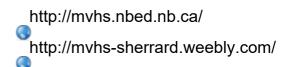
Science 122 Thursday, February 7/19

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- 1. Return -> FA Ray Diagram: Refraction and Snell's Law
- 2. Worksheet Concave and Convex Mirrors (Calculations)
- 3. Lenses
- 4. Convex Lenses
- 5. Ray Diagrams: Convex Lens
- 6. Concave Lenses
- 7. Ray Diagram: Concave Lens
- 8. Lens and Magnification Equations and Sign Conventions
- 9. Worksheet Convex and Concave Lenses
 - All Mirrors and Lenses

Science 10

Thursday, February 7/19



- 1. Class List/Seating Plan
- 2. Assignment Autobiographical Poem 1 Day Late
- 3. Check: Handout Find the Hidden Element
- 4. Handout Chemical Symbol Scramble
- 5. Handout Chemical Periods and Groups/Families
- 6. Handout Metals, Nonmetals and Metalloids
- 7. Characteristics of Metals and Nonmetals
- 8. Atomic Number
- 9. Standard Atomic Notation
- 10. Worksheet: Standard Atomic Notation
- 11. Bohr-Rutherford Diagrams
- 12. Worksheet: Bohr-Rutherford Diagrams
- 13. SA Chem #1