Science 10 Monday, February 26/18

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- Check
 Nomenclature Worksheet #4 Ionic Compounds Containing
 Transition Elements
- 2. Recap: Types of Ions
- 3. Examples: Types of Ions
- 4. Worksheet #5 Ionic Compounds Summary Practice
- 5. FA Ionic Compound Maze
- 6. Covalent Bonds
- 7. Diatomic Molecules
- 8. Prefixes Used When Naming Molecular Compounds
- 9. Rules for Naming Binary Molecular Compounds
- 10. Some Common Names
- 11. Worksheet Binary Molecular Compounds #1 Worksheet Binary Molecular Compounds #2
- 12. Recap: Types of Compounds
- 13. Ionic Compounds vs. Molecular Compounds
- 14. Worksheet Mixed Ionic/Covalent Compounds #1 Worksheet Mixed Ionic/Covalent Compounds #2
- 15. SA Chem #1 Topics
- 16. SA CHem #1 -> _____

Physics 112

Monday, February 26/18

- http://mvhs.nbed.nb.ca/
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- 1. Return -> SA Basic Skills Attempt #2
- 2. Return -> Justified FAs Calculating **R** Analytically
- 3. Velocity-Time Graphs
- 4. Velocity-Time Graph: Direction of Motion
- 5. Velocity-Time Graph Calculations
- 6. Worksheets Velocity vs Time Graphs-> V-T Graph #1 Complete #5

Physics 122 Monday, February 26/18

- http://mvhs.nbed.nb.ca/ http://mvhs-sherrard.weebly.com/
- Worksheet Force Problems: Type I, II and III Worksheet - Extra Type1, II, and III Force Problems
- 2. FA Type I, II and III
- 3. Unit 1 Section 2: Static Torque
- 4. Center of Mass
- 5. Types of Motion Large Objects
 - Translational
 - Rotational
- 6. Torque
- 7. Torque Examples
- 8. Net Torque
- 9. Static Equilibrium Revisited
- 10. Type I Static Torque All Forces Vertical To Be Continued
- 11. Worksheet Static Torque #1

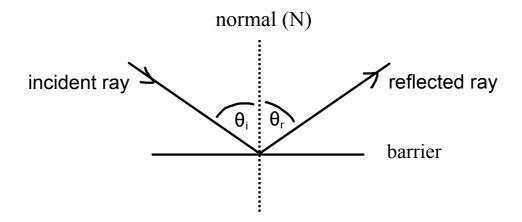
Science 122 Monday, February 26/18

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- 1. Check Review Concept and Application Questions from (old red)
- 2. SA: Optics Tuesday, Feb. 27/18 or After the Break
- 2. Experiment 37 Image Formation by a Converging Lens P167
- 3. Worksheets Lenses in Combination

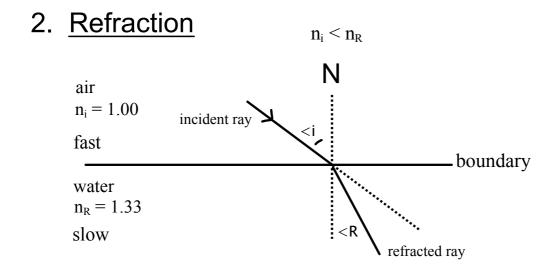
Optics - Concepts

1. Reflection



Law of Reflection

$$\theta_i = \theta_r$$



$$n = \frac{c}{v} \qquad (73.00 \times 10^{4} \text{ m/s})$$

 $\frac{\text{Snell's Law}}{n_i \text{sini} = n_R \text{sinR}}$

3. Plane (Flat) Mirrors

- labelled ray diagrams and POST

4. Spherical (Curved) Mirrors

Concave (Converging)

- 5 labelled ray diagrams and POST

Convex (Diverging)

- 1 labelled ray diagram and POST

5. Lenses

(1) index of (ef. (2) Shape of lens

- 2 factors affecting focal length

Convex (Converging)

- 5 labelled ray diagrams and POST

Concave (Diverging)

- 1 labelled ray diagram and POST

6. Equations (Mirror/Lens and Magnification)

 $\frac{1}{f} = \frac{1}{d_i} + \frac{1}{d_O} \qquad m = \frac{h_i}{h_O} = \frac{-d_i}{d_O}$ R=2f or f=R 2. Sign Conventions