

Physics 112

Monday, March 18/19

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*Pre-Summative Checklist

1. FA - Calculate \vec{R}
Justifications and LC - 3 Days Late
 2. Return: FA - Velocity-Time Graph
Justifications and LCs - 1 Day Late
 3. SA: U1 - S1&2 (Vector and Graphical Analysis)
Date - **Tuesday, March 19/19**
Format: MC (multiple choice)
Calculate **R** (rubric)
Chart (motion of a vehicle)
Interpret Position vs. Time Graph
Interpret Velocity vs Time Graph
Velocity-Time Graph (like #1-4)
 4. Practice SA
 5. Worksheet - Motion Problems
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1. Submit FAs and/or Justifications and LCs
 - FA - Rel. Velocity (RV3.1) - Parallel Directions
 - FA - Rel. Velocity (RV3.2) - Perpendicular Directions: Boat
 - FA - Rel. Velocity (RV3.3) - Perpendicular Directions: Intersection
 2. Questions?
 - Worksheet: Momentum - Collisions in 1D (Odd #'d Problems)
 3. FA - 1D Explosion
 4. Reminder: Kinetic Energy
 5. Types of Collisions - Complete inelastic problem for tomorrow.
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6. Worksheet - Elastic and Inelastic Collisions
 7. FA - 1D Collision
 - FA - Type of 1D Collision

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1. Return -> FA - Hydrostatic Equation
 2. Questions?
Worksheet - Archimedes' Principle
Worksheet - Extra Hydrostatic Problems ***Diagram #14**
 3. SA - Hydrostatics OR Hydrostatics and Hydrodynamics?
Date: Tuesday
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4. Hydrodynamics - Fluids in Motion
 5. Basic Types of Fluid Flow
 6. Mass Flow Rates, Equation of Continuity and Volume Flow Rate
 7. Worksheet - Equation of Continuity and Bernoulli's Principle
(Problems #50-55)
 8. Ideal Fluid Flow
 9. Bernoulli's Equation
 10. Worksheet - Equation of Continuity and Bernoulli's Equations

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1. Questions?
Worksheet #4: Ionic Compounds Containing Transition Elements
Worksheet #5: Ionic Compounds Summary
Worksheet - Lots More Practice
 2. FA - Mixed Ionic Compounds
 3. Covalent Compounds
 4. Diatomic Molecules
 5. Naming Binary Molecular Compounds
 6. Worksheet - Binary Molecular Compounds #1 and #2
 7. Mixed Ionic/Covalent Compound Naming #1
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8. Review - Naming Chemical Compounds #2
 9. SA - Chemistry #2 (Ions and Compounds)