

Science 10

Friday, March 23/18

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Redo Request Forms for SA Chem #1

1. Return: FA - Counting Atoms
 2. Questions?
Worksheets - Balancing Chemical Equations
 3. Types of Chemical Reactions
 4. Formation Reactions - General Format and Examples
 5. Decomposition Reactions - General Format and Examples
 6. [Worksheet: Formation and Decomposition Reactions](#)
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7. Single Replacement Reactions - General Format and Examples
 8. Double Replacement Reactions - General Format and Examples
 9. Worksheet: Single and Double Replacement Reactions

Physics 112

Friday, March 23/18

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Redo Request Forms - Redo: Today at Noon

Quadratic Equations and Quadratic Formula

1. Return FA - Uniformly Accelerated Motion (K3.8)
Uniformly Accelerated Motion (K3.9)
 2. FA - Uniformly Accelerated Motion (K3.10)
 3. [Worksheet - Motion Problems #10-18](#)
 4. The Rock
 5. Handout - Ball Toss
 6. Acceleration Due to Gravity
 7. Freely Falling Bodies
 8. Worksheet - Objects in Free Fall
-
9. Worksheet - Extra Uniformly Accelerated Problems
 10. SA: U1-S3 - Topics
- [Thursday, March 29/18](#)

Formative Assessment - Uniformly Accelerated Motion (K3.10)

<https://safeshare.tv/submit?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Dz45ZkiSJXU4>



Atom Ant is traveling with a velocity of 300 m/s [S] then accelerates uniformly for 5.00 s. If he travels 2.5×10^3 m in this time interval, what was Atom Ant's acceleration?



Physics 122

Friday, March 23/18

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1. FA - Relative Velocity Problems (DE3.2 and DE3.3)

2. Questions?

Worksheet: Momentum - Collisions in 1D -> Try Odd #'s

3. Types of Collisions: Elastic and Inelastic

4. Worksheet - Elastic and Inelastic Collisions

FA - Relative Velocity (DE3.2)

A catamaran whose speed in still water is 5.0 m/s heads west across an estuary. The current is 2.5 m/s south.

- What is the velocity of the catamaran relative to the shore?
- If the estuary is 2395 m wide, how long does it take the catamaran to cross the estuary?

**FA - Relative Velocity (DE3.3)**

A car and truck approach an intersection along perpendicular roads. The velocity of the car relative to the ground is 9.27 m/s , W and the velocity of the truck relative to the ground is 4.83 m/s , S. Find the velocity of the truck relative to the car. Include a labeled sketch.

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Bus Supervision

1. Worksheet - Archimedes' Principle
Worksheet - More Hydrostatic Fluid Problems

2. Summary: Hydrostatic Problems
3. Hydrodynamics - Fluids in Motion
4. Basic Types of Fluid Flow
5. Streamlines
6. Mass Flow Rates and Equation of Continuity