

## Science 10

Wednesday, February 22/17

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1. Assignment #1 - Chemistry to Atomic Number
  - Due: Wed., Feb. 15/17
  - 4 Days Late
2. Assignment - Your Name in Chemical Symbols
  - Due: Monday, Feb. 20/17
  - 2 Days Late
3. Check -> Worksheet #3 - Ionic Compounds with Polyatomic Ions
4. Transition Elements
5. Multivalent Metals
6. Ionic Compounds with Multivalent Metals
7. [Worksheet #4 - Ionic Compounds with Multivalent Metals - HW](#)

8. Worksheet #5 - All Ionic Compounds

## Physics 112

Wednesday, February 22/17

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1. Check -> Worksheet - U1S1: Vector Analysis
  2. Formative Assessment - Calculating  $\vec{R}$
  3. Types of Motion
  4. Directions of Velocity and Acceleration
  5. SA - U1 S1  
- Monday, Feb. 27/17
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**Formative Assessment - Find  $\vec{R}$  Analytically**  
Wednesday - February 22/17

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Two displacement vectors are 22.6 m [W] and 37.0 m [N]. Find their resultant.

$$\vec{R} = 43.4 \text{ m}, 58.6^\circ \text{ N of W or } 31.4^\circ \text{ W of N}$$

**Topics: SA U1-S1**

1. mechanics, kinematics and dynamics
  2. two types of physical quantities:
    - (i) scalar quantity - has magnitude only
      - has units
      - be able to name and give examples of four scalar quantities
    - (ii) vector quantity - has magnitude and direction
      - has units
      - vector notation
      - conventional directions
      - be able to name and give examples of four vector quantities
  3. arrows are used to represent vector quantities graphically
  4. resultant
  5. two methods used to add vector quantities:
    - (i) tip-to-tail method
    - (ii) parallelogram method
  6. determine the range of possible resultant values
  7. determine a resultant mathematically (follow rubric)
  8. types of motion - no motion
    - uniform motion
    - uniformly accelerated motion
  9. use directions of velocity and acceleration to describe an object's motion, etc (ie/ van scenario)
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Format: Multiple Choice (MC)

Short Answer

Chart (ie/ van)

Find  $\vec{R}$  graphically or analytically

**30 minutes**



## Physics 122

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1. Return -> FA - Suspended Objects - Complex
  2. Worksheet - Incline Problems
  3. Worksheets - Type I, II and III (2)
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