

## Science 10

Friday, February 17/17

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



<http://mvhs-sherrard.weebly.com/>



1. Assignment #1 - Chemistry to Atomic Number
    - Due: Wed., Feb. 15/17
    - 1 Day Late
  2. Assignment - Your Name in Chemical Symbols
    - Due: Monday, Feb. 20/17
  3. Ionic Bonds
  4. Simple Binary Ionic Compounds
  5. Worksheet #2 - Simple Binary Ionic Compounds
- 
6. Polyatomic Ions
  7. Ionic Compounds with Polyatomic Ions
  8. Worksheet #3 - Ionic Compounds with Polyatomic Ions
  9. Transition Elements
  10. Multivalent Metals
-

## Physics 112

Friday, February 17/17

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



<http://mvhs-sherrard.weebly.com/>



1. Summative Assessment - Basic Skills
    - Topics
    - **Monday, Feb. 20/17**
  2. Big Table of Concepts
  3. Concept Sheet: Unit 1 - Kinematics
    - Section 1 - Vector Analysis
  4. Mechanics
  5. Types of Physical Quantities
  6. Vectors: Direction, Notation and Representation
  7. Adding Vectors Graphically
  8. [Worksheet - Order of Vector Addition - HW](#)
- 
9. Range of Resultant Magnitudes
  10. Review - Law of Pythagoras and Trig Functions

## SA: Basics Skills - Topics

1. physics - definition
2. physical quantity - definition
3. motion vocabulary - symbols, units, definitions
4. scientific notation - general form, calculator  $1.23 \times 10^3 \text{ kg}$
5. SI system - quantities and 7 base units (names/symbols)  
- derived units  $\text{m/s}$   $[1\text{N} = 1\text{kg} \frac{\text{m}}{\text{s}^2}]$
6. SI prefixes - names, symbols and powers of ten
7. metric conversions (3)  $\downarrow$   
 $5 \text{ 2.0 m}$   $\underline{35 \text{ D}}$
8. accuracy/precision  $\text{def.}$
9. significant digits - in a given measurement  
- precision (+ and -) & certainty ( $\times$  and  $\div$ ) rules
10. rearranging equations  $(3)$

$$v_f = \boxed{v_i} + at \quad [v_i]$$

$$v_f - at = v_i \quad A = \frac{1}{2} h (a + b)$$

## Physics 122

Friday, February 17/17

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



<http://mvhs-sherrard.weebly.com/>



1. Return -> FA - Type I Force Problem
2. Worksheet - Type II: Suspended Objects - Complex
3. Worksheet - More - Type II: Suspended Objects - Complex

4. Type III - Incline Plane Problems
5. Worksheet - Incline Problems