Science 10

Thursday, February 23/17

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

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

---

1. Progress Reports

2. Assignment - All Ionic Compounds
   - Wednesday, March 1/17

3. Assignment - Your Name in Chemical Symbols
   - Due: Monday, Feb. 20/17
   - 3 Days Late

4. Check -> Worksheet #4 - Ionic Compounds with Multivalent Metals

5. Recap - Types of Ions

6. Worksheet #5 - All Ionic Compounds

7. Assignment - All Ionic Compounds
   - Wednesday, March 1/17

---

8. Covalent Bonds

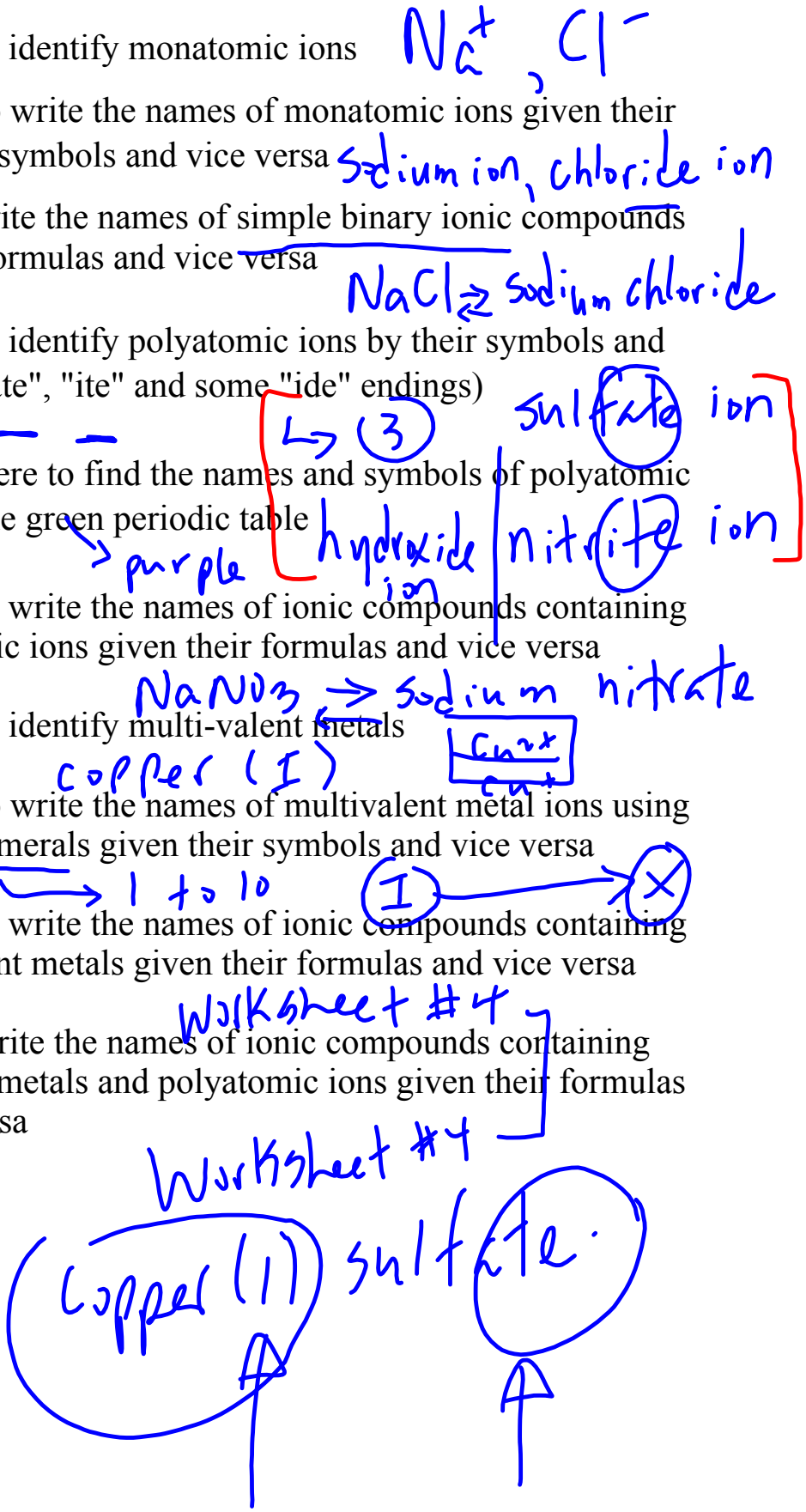
9. Diatomic Molecules

10. Naming Binary Molecular Compounds

11. Worksheet - Practice: Binary Covalent Compounds

Science 10
Topics -> Assignment: All Ions and Ionic Compounds

1. a) be able to identify monatomic ions
   b) be able to write the names of monatomic ions given their chemical symbols and vice versa
2. be able to write the names of simple binary ionic compounds given their formulas and vice versa
3. a) be able to identify polyatomic ions by their symbols and names ("ate", "ite" and some "ide" endings)
   b) know where to find the names and symbols of polyatomic ions on the green periodic table
   c) be able to write the names of ionic compounds containing polyatomic ions given their formulas and vice versa
4. a) be able to identify multi-valent metals
   b) be able to write the names of multivalent metal ions using roman numerals given their symbols and vice versa
   c) be able to write the names of ionic compounds containing multivalent metals given their formulas and vice versa
5. be able to write the names of ionic compounds containing multivalent metals and polyatomic ions given their formulas and vice versa



Physics 112

Thursday, February 23/17

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

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

1. Return -> Formative Assessment - Calculating R

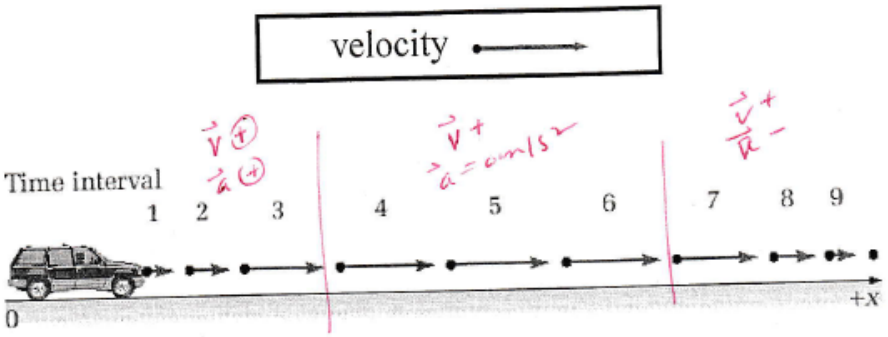
2. Directions of Velocity and Acceleration - LHP

3. SA - U1 S1
   - Monday, Feb. 27/17
   - Topics

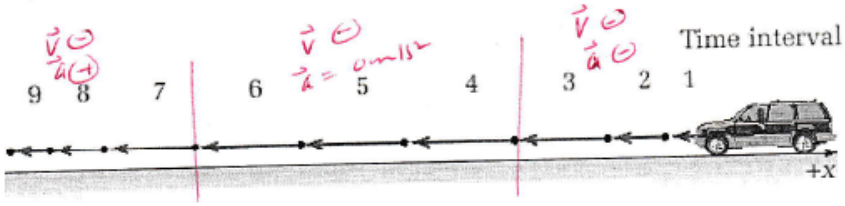
4. U1 - S2 - Graphical Analysis
   - Concept Sheet

5. Position-Time Graphs

Directions of Velocity and Acceleration



Images in figure	Direction of velocity vector	Direction of acceleration vector	Description of motion
Figure 2.19 Van is moving in the positive direction.			
1-2-3	positive	positive	speeding up in positive direction
4-5-6	positive	—	constant speed in positive direction
7-8-9	positive	negative	slowing down in positive direction
Figure 2.20 Van is moving in the negative direction			
1-2-3	negative	negative	speeding up in negative dir
4-5-6	negative	—	constant speed in negative dir
7-8-9	negative	positive	slowing down in negative direction



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) 10pts.
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)

Format: Multiple Choice (MC)
Short Answer
Chart (ie/ van)
Find $\vec{R}$ (use rubric)

30 minutes

Physics 122

Thursday, February 23/17

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

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

---

1. Force Problems: Worksheets - Type I, II and III (2)

2. SA - U1 S1 - 3 Problems (40 minutes)
   - Wednesday, March 1/17

---

3. Unit1 - Section 2 -> Torque