

Physics 112

Thursday, February 18/16

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Explain That Stuff - Feb. 19/16

1. Return -> Assignment - Metric System -> **3 Days Late**
 2. Return -> Quiz - Basic Skills
 3. Physics Lab - Experiment 2.1: Measuring Length
Due - **Thursday, Feb. 18/16**
 4. Unit 1 - Kinematics: Section 1 - Vector Analysis
 5. Scalar Quantities
 6. Vector Quantities
 7. Graphical Representation of Vectors
-
8. Adding Vectors Graphically - 2 Methods
 9. Examples and Rubric: Vector Analysis - Graphical
 10. Worksheet - Graphical Manipulation of Vectors
 11. Review: Law of Pythagoras and Trig Functions
 12. Examples and Rubric: Vector Analysis - Analytical
 13. Worksheet - Analytical Manipulation of Vectors
-

Science 122

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1. **Second Attempt - Complex Circuit - Friday**

2. Activity - Magnetic Field Lines

3. Magnetic Fields

4. Magnetic Field of the Earth

5. Right-Hand Rule #1

6. Solenoid/Electromagnet


7. Right-Hand Rule #2

8. Right-Hand Rule #3

9. Electric Motors

Science 10

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1. Assignment - Your Name in Chemical Symbols
- 3 Days Late
 2. Return Tomorrow-> Quiz - Matter to Simple Binary Ionic Compounds
 3. Check -> Worksheet #4 - Ionic Compounds Containing Transition Metals
-> Worksheet #5 - Ionic Compounds Summary
 4. Assignment - Ions and Ionic Compounds -> Tomorrow
 5. Recap - Types of Ions
 6. Covalent Bond - To Be Continued
-
7. Diatomic Molecules
 8. Naming Binary Molecular Compounds
 9. Practice - Binary Covalent Compounds

Identify each of the following as a monatomic ion (MI), a polyatomic ion (PI), or the monatomic ion of a multivalent metal (MIMM), by printing MI, PI or MIMM on the line provided.

| | | | |
|--------------------|------|------------------|----|
| PO_4^{3-} | PI | sulfite ion | PI |
| iron (II) ion | MIMM | Ca^{2+} | MI |
| fluoride ion | MI | cyanide ion | PI |
| Cu^+ | MIMM | potassium ion | MI |

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Explain That Stuff - Feb. 19/16

1. Check -> Worksheet - Type II - Complex
 2. Worksheet - Extra Practice - Type II
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3. Force Problems - Type III - Inclind Planes
 4. Text: Chapter 5 -> Page 191, #25
Page 194, #27, 28