

Physics 112

Monday, September 17/18

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Staff Meeting - Wednesday

1. **Summative Assessment - Basic Knowledge/Skills**
 - Topics - See Next Page
 - Date: Tuesday, Sept. 18/18
 2. Questions re Last FA or SA Concepts?
 3. Unit 1 - Kinematics
 4. Learning Targets - Unit 1
 5. Unit 1 - Section 1: Vector Analysis
 6. Mechanics
 7. Types of Physical Quantities
 8. Vectors: Direction, Notation & Representation
 9. Physical Quantities to Know
 10. Adding Vectors Graphically: 2 Methods - To Be Continued
-
11. Worksheet: Order of Vector Addition

Topics - SA: Basics Knowledge/Skills

1. physics - definition
2. metrology - definition
3. physical quantity - definition
4. measurements - two parts
5. scientific notation
6. accuracy/precision - definitions, interpret scenario
7. percent error calculation
8. significant digits - in a given measurement
 - Precision (+ and -) & Certainty (x and \div) Rules
9. SI system - quantities and 7 base units (names/symbols)
 - derived units
10. SI prefixes - names, symbols and powers of ten
11. metric conversions - 1 step
 - 2 steps
 - m/s \longleftrightarrow km/h
12. rearranging equations

Physics 122

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Staff Meeting - Wednesday

1. FA - Force Problem: Type I - Submit
Justifications and Learning Categories - Submit
2. Type II - Suspended Objects (Simple) - Continue
3. [Worksheet: Force Problems - Type II \(Simple\) - Try](#)

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4. Type II - Suspended Objects (Complex)
 5. Worksheet: Force Problems - Type II (Complex)
 6. FA - Force Problem - Type II (Simple)
FA - Force Problem - Type II (Complex)

Science 10

Monday, September 17/18

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Staff Meeting - Wednesday

1. Return Results
 - Assignment - What's in a Name?
 - Due: Today, Wednesday, Sept. 12/18
 - 3 Days Late Today
 2. SA - Chem #1 -> Date - Tuesday, Sept. 18/18
Topics - See Next Page
 3. Scientific Literacy - Science Articles
 4. FA - Standard Atomic Notation and Bohr-Rutherford Diagram
 5. Quick Review - Ions
 6. [Worksheet: Bohr-Rutherford Diagrams Atoms to Ions - Try for Wed.](#)
-
7. Worksheet - Chemistry: Ions and Subatomic Particles
 8. Naming Monatomic Ions
 9. Worksheet #1 - Monatomic Ions
 10. Assignment - Your Name in Chemical Symbols
 11. Ionic Bonds
 12. Simple Binary Ionic Compounds
 13. Worksheet 2 - Simple Binary Ionic Compounds
 14. Polyatomic Ions

Topics: SA - Chem #1

1. chemistry
2. matter
3. types of properties: physical and chemical
4. types of changes: physical and chemical
5. atoms -> building blocks of matter
 - > three subatomic particles: p^+ , n , e^-
 - > locations of three subatomic particles
 - > electrically neutral: $\#p^+ = \#e^-$
6. element
7. chemical symbols
8. periodic table of the elements - periods (rows)
 - groups/families (columns)
 - family and period names
 - location of metals, nonmetals and metalloids
 - characteristics of metals and nonmetals
9. atomic number = number of protons
10. standard atomic notation
11. Bohr-Rutherford Diagrams

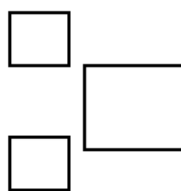
Science 10

FA – Standard Atomic Notation and Bohr-Rutherford Diagram

Name - _____

You may use your blue periodic table and table of mass numbers.

1. a) Write the standard atomic notation for silicon.



- b) How many neutrons are in an atom of silicon? _____
- c) How many protons are in an atom of silicon? _____
- d) How many electrons are in an atom of silicon? _____
- e) Are atoms neutral or electrically charged? _____
2. Draw the Bohr-Rutherford diagram for chlorine. Shade in the appropriate circles to represent chlorine's electrons.

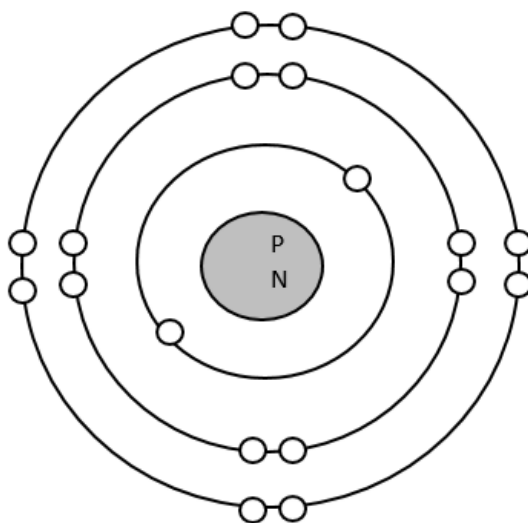


FIGURE IT OUT!

#6

Each block represents a saying or well-known phrase.
Please write your answers on the back of the page.

<p>1 MORE MORE MORE MORE MORE MORE MORE MORE MORE MORE MORE</p>	<p>2 OPINION OPINION</p>	<p>3 R Y S</p>	<p>4 The DIAL Hospital</p>
<p>5 DUMPL LINE DUMP</p>	<p>6 BENDING — UOY ROF</p>	<p>7 IRIGHTI</p>	<p>8 (N)</p>
<p>9 MAY AA</p>	<p>10 W A W A L L K K</p>	<p>11 STAYINGTHEGAME</p>	<p>12 ROLE ROLE</p>
<p>13 AMINPM</p>	<p>14 WEL — L ▲</p>	<p>15 LOV</p>	<p>16 PAINS PAINS</p>
<p>17 LEFT OUT FIELD</p>	<p>18 1 1 The 1 1 block 1 1 1 1</p>	<p>19 EZ II</p>	<p>20 WAY YIELD</p>