

Physics 112

Monday, February 24/20

1. Return:
Re-Assessments
 2. Submit LC for:
FA - Calculate **R**
 3. Check:
IP - U1S2 -> Graphical Analysis
 4. SA: U1 S1&2 -> Topics (See Next Page)
-> Date: Thursday, Feb. 28
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5. U1-S3: Mathematical Analysis
 6. Word Problem Checklist
 7. Uniform Motion -Kinematic Equation
 8. Uniformly Accelerated Motion -Kinematic Equation #1
Kinematic Equation #2
Kinematic Equation #3
Kinematic Equation #4

Topics -> SA U1: S1&2

1. kinematics
2. two types of physical quantities:
 - (i) scalar quantity - has magnitude and a unit
 - be able to provide the definitions, symbols, and units of time, distance and speed
 - (ii) vector quantity - has magnitude, direction and a unit
 - vector notation
 - conventional directions
 - be able to provide the definitions, symbols, and units of position, displacement, velocity and acceleration
3. arrows are used to represent vector quantities graphically
4. resultant
5. two graphical methods used to add vector quantities:
 - (i) tip-to-tail method
 - (ii) parallelogram method
6. determine the range of possible resultant values
7. add vectors analytically (follow the rubric)
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8. three types of motion: no motion
 - uniform motion
 - uniformly accelerated motion
9. use direction of velocity and acceleration to describe an object's motion (ie/ complete chart for vehicle)
10. interpret position-time graphs
11. interpret velocity-time graphs
12. obtain information by reading data from a velocity-time graph and performing calculations

Format: MC (multiple choice)

Interpret General P-T and V-T Graphs

Calculate **R** (rubric)

Chart (motion of a vehicle)

Velocity-Time Graph

Physics 122

Monday, February 24/20

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1. Check:
IP - U1S2 - Static Torque (Type I)
 2. FA: Static Torque (Type I)
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3. Torque Type II - Forces Acting at Angles
 4. **IP - U1S2 - Static Torque (Type II)**

Science 122

Monday, February 24/20

1. Check:

IP - Half-Life, Activity and Decay Constant (2)

2. More About Light

3. Quantum Theory

4. Electron-volt

5. Quantization of Energy

Science 10

Monday, February 24/20

1. **Submit:**
FA - Atoms and Ions
 2. Atoms! - Polyatomic Ion Edition
 3. Ionic Compounds Containing Polyatomic Ions
- To Be Continued
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4. Nomenclature Worksheet #3 -Ionic Compounds Containing
Polyatomic Ions
 5. Transition Elements
 6. Multivalent Metals
 7. Ionic Compounds Containing Multivalent Metals