March 31 Gradekeeper Type Report

April 1 AM PT No School.

April 13 (Wed.) Report Cards

April 14 (Thur.) Evening PT

Physics 112

Monday, March 14/16

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Explain That Stuff - March 18/16

1. Return Marks -> Assignment: U1-S1
2. Velocity-Time Graphs
3. Velocity-Time Graphs - Calculations
   - Examples - To Be Continued
   - Worksheets
4. Quiz - Velocity-Time Graph ->Thursday, March 17/16
5. Unit 1 - Section 3 -> Mathematical Analysis
6. Checklist - Word Problems
7. Kinematic Equations
8. Worksheet - Motion Problems

Science 122

Monday, March 14/16

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1. Check -> Worksheet - Red Text Problems

2. Quiz - Magnetic Forces and Circular Paths
   - Tentatively Wednesday, March 16/16

3. Electromagnet Induction - To Be Continued

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4. Red Text: Page 518, Practice Problems #1, #2, #3
   Page 531, Applying Concepts #1, 2, 8, 10
   Page 532, Problems #3, #5, #8, #9

   Worksheet - Conducting Rods and Lenz's Law

Science 10

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Monday, March 14/16

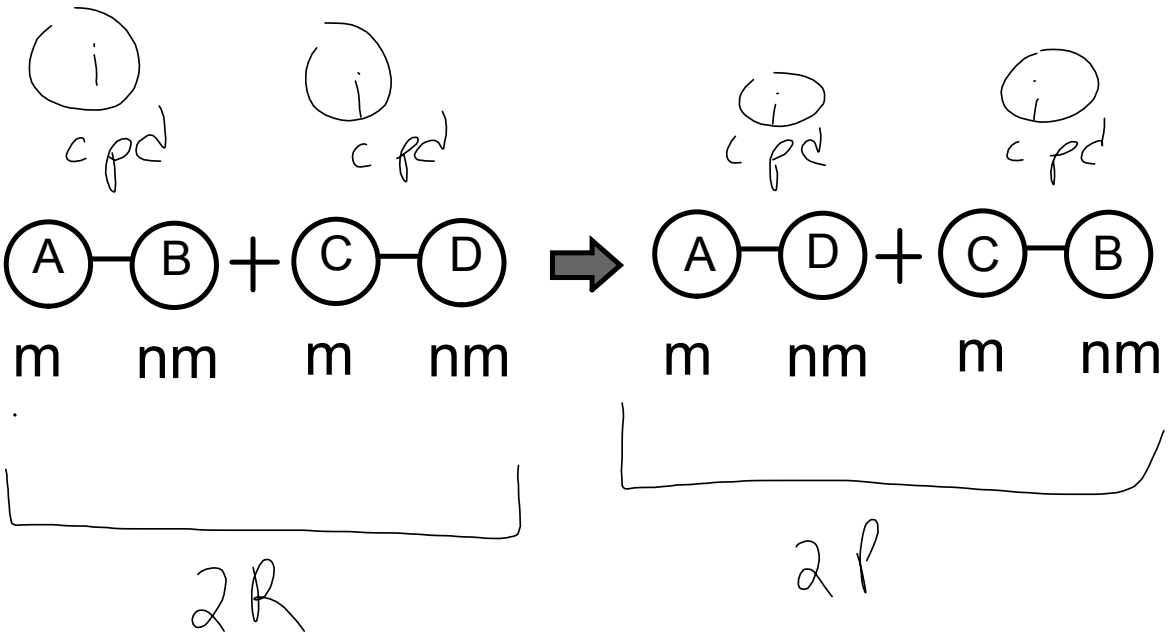
1. Double Replacement Reactions
2. Worksheet: Single and Double Replacements Reactions
3. Combustion Reactions
4. Worksheet: Combustion Reactions HW

5. Worksheet: Identifying Types of Chemical Reactions
6. Quiz - Identifying and Balancing Chemical Reactions

- TBA

Double Replacement Reactions

General Formula



Example #3

Word Equation:

polyatomic ion

cpd cpd cpd cpd

lead (II) nitrate + potassium iodide → lead (II) iodide + potassium nitrate

$Pb^{2+}(NO_3)_2^{-1}$ K^+I^- $Pb^{2+}I^-$ $K^+(NO_3)^-$

Chemical Equation:

$\_\_ Pb(NO_3)_2 + 2KI \rightarrow \_\_ PbI_2 + 2KNO_3$

Worksheet - Single and Double Replacement Reactions

(given before March Break)

Combustion Reactions

General Formula

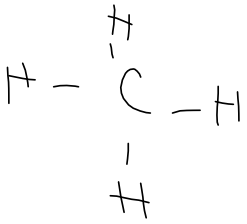
always the products

hydrocarbon + oxygen → carbon dioxide + water

C_1H_1 O_2 CO_2 H_2O

Example #1

Word Equation:

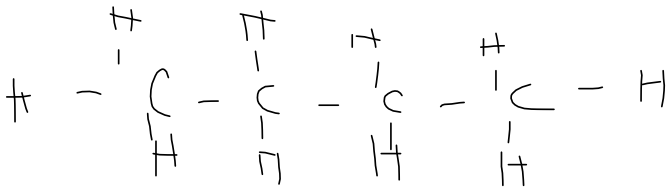


methane + oxygen ⟶ carbon dioxide + water

Chemical Equation: #1 -> C , #2 -> H , #3 -> O

$\_\_CH_4 + \underline{2}\_\_O_2 \longrightarrow \_\_\_ CO_2 + \underline{2}\, H_2O$

Example #2



Word Equation:

butane + oxygen ⟶ carbon dioxide + water

Chemical Equation:

$$2 \times 1\ C_4H_{10} + \frac{13}{2} \times 2\ O_2 \longrightarrow 4 \times 2\ CO_2 + 5 \times 2\ H_2O$$

8 O + 5 O

13 O

$$2\ C_4H_{10} + 13\ O_2 \longrightarrow 8\ CO_2 + 10\ H_2O$$

Physics 122

Monday, March 14/16

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Explain That Stuff - March 18/16

1. Static Torque Problems with Forces at Angles
2. Worksheet - Static Torque #1 - HW
3. Worksheet - Static Torque #2
4. Assignment: U1 - S2 -> Static Torque

TBA