

Physics 112

Thursday, April 4/19

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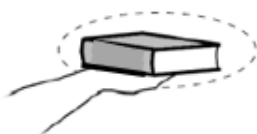
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1. Return/Submit: FAs [Weight]
 2. FA - FBDs -> See Next Page
 3. Unit 2 - Section 2: Newton's Laws of Motion -> Concept Sheet
 4. Inertia
 5. Newton's First Law of Motion (Law of Inertia)
 6. Text Answers
 7. Worksheets:
Problems for Understanding (PFU) Page 151, #26-28, 30-32, 34
Practice Problems (PP) - C4, Page 144: 5-8
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Physics 112

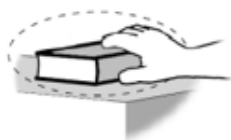
Name - _____

Formative Assessment – Free Body Diagrams (D1.9)Draw a free body diagram for the book in each scenario.

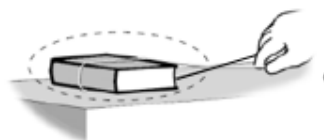
- a) A book is supported by your hand.



- b) A book is pushed across a desk at a constant speed by your hand.



- c) A book pulled by a string accelerates across a desk. Ignore friction.




- d) Your hand pushes down on a book resting on a desk.



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1. FA - Charges in a Line
FA - Charges Involving Angles
 2. Electric Fields - Diagrams
- Calculations
 3. [Worksheet -> Textbook: Page 646, #11-14](#)
[Textbook: Page 655, #20-24](#)

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4. Review - Gravitational Potential Energy
 5. Electric Potential Energy
 6. Electric Potential Difference
 7. SA - Electrostatics
Date: TBD - Thursday?

Physics 122

Topics - U3 S1

- electrostatics
 - types of charge (+ and -)
 - transfer of charge
 - Law of Conservation of Electric Charge
 - electrostatic force (attractive/repulsive)
 - Coulomb's Law: 2 charges, 3 charges
 - electric fields: diagrams - 1 source charge } non- uniform
 - 2 source charges } non- uniform
 - 2 charged plates } uniform
 - electric field strength/intensity
 - electric potential energy: E_Q , joule
 - electric potential difference (voltage): V , volt
-

Format: **MC**

$$q = N/e$$

Problems

- Coulomb's Law - 2 charges
- Coulomb's Law - 3 charges with angle
- Electric Field Strength
- Electric Field Strength

Science 122

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1. SA - Hydrodynamics
 2. [Worksheet - Half-Life, Activity and Decay Constant #1 and #2](#)
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Science 10

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1. FA - Counting Atoms

2. [Worksheets - Balancing Chemical Equations](#)

3. Types of Chemical Reactions

4. Formation Reactions

5. Decomposition

6. Worksheet: Formation and Decomposition Reactions

7. Single Replacement Reactions

8. Double Replacement Reactions

9. Worksheet: Single and Double Replacement Reactions