Physics 112

Tuesday, October 31/17

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1. Worksheet - C4 - First Law Problems - Page 144: PP #5-7
   Worksheet - C4 - Weight and First Law Problems
   Page 151: PFU #26-28, 30-32, 34
   } D2.4

2. FA - First Law Problem

3. Newton's Second Law of Motion
   (Law of Force, Mass and Acceleration)

4. Second Law Problems - To Be Continued

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5. Examples - Second Law Problems

6. Worksheets - Newton's Second Law Problems

Formative Assessment - Force Problem (O31/17) - D2.4

A student on planet Luvfizics presses a 1.7 kg textbook against a vertical wall. The student applies a force of 51 N in order to prevent the textbook from sliding down the wall. What is the acceleration due to gravity on LuvFizics? Include a labelled FBD for the textbook.

Note:

Surfaces	μ_s	μ_k
textbook and wall	0.284	0.196

Physics 122

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1. Review -> SA - U1: S3&4

2. Questions?
   Worksheet - Problems: Circular Motion
   Worksheet - Unbanked and Banked Curve Problems

3. Worksheet - Kepler's Third Law Problems

4. Experiment 8.1 - Kepler's Laws - Page 49 - To Be Continued

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5. Universal Law of Gravitation

6. Gravitational Field Strength

7. Calculating the Value of "g"

Science 10

Tuesday, October 31/17

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1. Check -> Worksheet: Predicting Products
2. Formative Assessment: Translating and Predicting
3. Worksheet - Acids: Names and Formulas

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4. Naming Bases
5. Neutralization Reactions
6. Worksheet - Neutralization Reactions

Formative Assessment - Translating and Predicting O31/17

1. Write a balanced chemical equation for each reaction below.

   a) Aluminum metal and nitrogen gas combine to form aluminum nitride.

   b) Tricarbon octahydride and oxygen react to form carbon dioxide and water.

2. Predict products then balance the chemical equation.

   a) ___ $KMnO_4$ + ___ $ZnCl_2$ $\longrightarrow$

   b) ___ PtF_4 + ___ Br_2 $\longrightarrow$