

Prentice Hall Conceptual Physics - Chapters 7, 8, 9, 19

Due: 11/15/19

1. **WRITE YOUR NAME**, first and last name, on top of this cover sheet.
2. **COMPLETE ALL THE WORK** as assigned.
3. **BOTH THE STUDENT AND A PARENT MUST SIGN** here before turning in the monthly work.
4. **COVER SHEET**: Put this cover sheet on top of the work when you turn it in.
5. **THE EXPECTATION IS THAT**: You will turn in your work in the order shown.
6. **TURN IN THIS WORK ON TIME** to your supervising teacher.
7. **Students must submit at least two lab works/reports for Month 3.**

Student Signature

Date

Parent Signature

Date

1) **Chapter 7 – Momentum**

First define the 6 new words on p. 100

Review Questions 1-4, 7-12, 14-15, 17-18

Think and Explain 23-27, 29-32

Plug and Chug 19, 20

Think and Solve 37

2) **Chapter 8 – Energy**

First define the 16 new words on p. 119

Review Questions 1-12, 14-16

Think and Explain 31-35, 37-38

Plug and Chug 21-24, 26-28

Think and Solve 43-45

3) **Chapter 9 – Circular Motion**

First define the 8 new words on p. 133

Review Questions 2, 4-12, 16-18

Think and Explain 19-25, 28-30

Think and Solve 31-33, 38

4) **Chapter 19 - Liquids**

First define the 6 key terms on page 286

Review Questions 1-4, 6-9, 11-12, 16-19

Think and Explain 25, 28-35

Plug and Chug 21-24

Think and Solve 39-41

5) **Good Progress toward your Semester Independent Science Project**

[The directions are shown on the back of this page.]

- 6) **STUDY GROUP WORK** Laboratory Experiment for 10/24/19– Impulse Demo and On Target Lab
Laboratory Experiment for 10/31/19 – Pulley Lab and Machine Lab
Liquids Demos + Review of Chapters 7-9 and Test Preparation 11/7/19

- 7) Month 3 Self-Chosen Physics Concept Question, Answer, and Reflection on a topic you find interesting that is developed in Chapters 7-9, or 19. Pick one.

5) Good Progress toward your Semester Independent Science Project

Continued from the front side of Month 3 Physics Cover Sheet

- a) Project idea approved by your parents and Mr. Negus (nnegus@cox.net).
- b) Statement of the Problem – What the project will attempt to answer.
- c) Hypothesis – Your guess as to what the measured values might likely show.
- d) **Materials List** - (Mainly the set up materials and the measurement tools).
- e) **Procedures** – List the steps, in order, that you will take to set up for the Independent Variable (what you are changing), and then to take measurements for the Dependent Variable (what you are measuring) that will become data to form a Conclusion that will answer the question you set up in b) above.

[No testing should be done until we approve your project idea and procedures.]