

Prentice Hall Conceptual Physics - Chapters 1, 2, 3, 17

Due: 9/21/18

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 1.**

Student Signature

Date

Parent Signature

Date

1) Chapter 1 – About Science

Define: fact, hypothesis, law, principle, scientific method, theory.

Review Questions 1, 2, 3, 4, 5, 6, 7, 9, 10. Think and Explain #11

2) Chapter 2 – Linear Motion

Define: acceleration, average speed, free fall, instantaneous speed, rate, relative, speed, velocity.

Review Questions #1-3, 5, 7-19, 22, 23-25. Plug and Chug #26-29, 30, 33.

Think and Explain #34, 35, 37-41. Think and Solve #43, 45, 47-49

3) Chapter 3 – Projectile Motion

Define: component, projectile, resolution, resultant, satellite, scalar quantity, vector, vector quantity.

Review Questions #2-4, 7, 8-18. Plug and Chug #19, 21, 28

Think and Explain #29-31, 33, 37. Think and Solve #44

4) Chapter 17 – The Atomic Nature of Matter

Define: atom, atomic number, Brownian motion, element, ion, isotope, neutron, nucleon, Nucleus, plasma, proton, shell model of the atom.

Review Questions #1, 3, 7, 9, 15-16, 20, 22, 25-26, 28.

5) Laboratory for 9/6/18 - Measurement and Conversion Lab.

Laboratory for 9/13/18 - Acceleration Due to Gravity Lab.

6) Month 1 Self-Chosen Physics Concept Question, Answer, and Reflection.

7) Results of the Preliminary Independent Semester Science Project Search Ideas.