

# Physics 1D Problems

Ken Cheney

For full credit:

1. Most of the problems must be tried.
2. Most of the problems tried must be done correctly.
3. You **MUST** show how you worked the problem:
  - a. Sketch
  - b. Explain the physics used
  - c. Show symbolic solution
  - d. Put in numbers with units.
  - e. Show the answer with units.

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## Spacetime Physics, 2 ed ed., Taylor and Wheeler

A good percentage of the “good stuff” in this book is in the **Problems** so be sure to try them all. Leave plenty of time for puzzeling, Relativity is strange!

Chapter:

- 1: All “**Practice**” and “**Problems**”
2. **Practice**: 1-5, 8, 9, **Problems**: (at least read 12, a great experiment but long), 13
3. **Practice**: 1, 4, 5     **Problems**: 7, 8, 110-12, 14, 15, 17
- L. **Practice**: all,     **Problems**: 5, 7, 10, 12, 13, 15
4. all
5. **Practice** 1, 2,     **Problems**: all
6. **Practice**: 1     **Problems**: all
7. **Practice**: 1-3     **Problems**: 5, 6, 8, 9, 11,
8. **Exercises**: 1-3, at least read 5, 8-11, read 17, 18, 20, 24, 31, 35, 41

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## Quantum Physics, Eisberg and Resnick, 2ed edition

Chapter:

3. **Q**: 1, 4, 14, 17, 21, 23, 24     **P**: 1, 2, 4, 5, 10, 11, 14, 15, 18, 20, 26, 29, 30, 33-35
4. none
5. **Q**: 6, 8, 16, 19, 20, 31     **P**: 1, 2, 7-10, 16, 23,
6. **Q**: 2, 9, 11, 14, 15,     **P**: 8, 9, 10, 20, 21, 23
7. **Q**: 2, 5, 9, 13, 16     **P**: 3-5, 20, 21, 22-26