

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 162 – Introductory Astronomy

Fall 2026

Problem Set #5

Problem Set Due: Thurs., Oct. 8, 2026

Read OpenStax: Chapter 5

Show explicitly all your work for full credit.

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|--------------------------|-------------------------|
| 1. Expert TA: 5.1.7 | multiple choice |
| 2. Expert TA: 5.1.12 | multiple choice |
| 3. Expert TA: 5.1.28 | multiple choice |
| 4. Expert TA: 5.1.44 | multiple choice |
| 5. Expert TA: 5.1.69 v1 | draw the correct figure |
| 6. Expert TA: 5.1.69 v5 | draw the correct figure |
| 7. Expert TA: 5.2.1 | show calculation |
| 8. Expert TA: 5.2.9 | show calculation |
| 9. Expert TA: 5.2.14 | show calculation |
| 10. Expert TA: 5.2.15 v2 | show calculation |
| 11. Expert TA: 5.3.3 | (write in order) |
| 12. Expert TA: 5.6.4 | true/false |
| 13. Expert TA: 5.6.8 | true/false |
| 14. Expert TA: 5.6.14 | true/false |
| 15. Expert TA: 5.6.49 | true/false |
| 16. Expert TA: 2.7.6 | simulation |