

# PHY2048 Spring 2018 Recommended Questions for Chapters 7 & 8

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## Abstract

Due to requests from students, here are some **recommended** questions to study for energy physics. These are not required, are not going to be graded, and no points will be assigned for these problems; this is entirely for extra practice in case you feel that you'd like some.

## Chapter 7: Work and Energy

- Work (Section 7.1): Problems 9, 11, 13, 16, 17, and 18
- Work for a Variable Force (7.2): 23, 28, and 33
- Kinetic Energy (7.3): 46, 48, 50, 52, and 53
- Gravitational Potential Energy (7.4): 62, 65, 67, 68, and 72

## Chapter 8: Conservation of Energy

- Potential Energy of a Conservative Force (Section 8.1): Problems 2, 5, 6, 9, 10, 13, 17, and 18
- Curve of Potential Energy (8.2): 24, 27, 28, 29, 31, 32, and 33