

CHAPTER OVERVIEW

7: Classical Physics- Gravity and Energy

Chapter 7 introduces the concepts of gravity and energy. In the first part of the chapter, you will learn that gravity, the force that causes an apple to fall from a tree, also keeps planets orbiting the Sun and is present throughout the Universe. Through the application of Newton's Laws you will explore properties of surface gravity on other planets and the orbits of planets, stars; you will see that gravity can affect any object in space. The second part of the chapter focuses on the many forms of energy, with special attention given to kinetic energy and gravitational potential energy. You will also learn that energy is conserved. It is passed from one body to another in any interaction, but it is never created nor destroyed.

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