

# Download Ch 11 Physics Study Guide Answers

Physics Final Study Guide: Chapter 11. STUDY. PLAY. Law of conservation of energy. Within a closed, isolated system, energy can change form, but the total amount of energy is constant. Reference level. The position at which the potential energy is defined to be zero. Mechanical energy. the answer.  $10^{19}$   $10^5$   $10^{14}$ ; the answer will be about  $20 \cdot 10^{14}$ , or  $2 \cdot 10^{13}$ . c. Calculate your answer. Check it against your estimate from part b.  $1.7 \cdot 10^{13}$  kg m/s<sup>2</sup> d. Justify the number of significant digits in your answer. The least-precise value is 4.5 T, with 2 significant digits, so the answer is rounded to 2 significant digits. 16. Physics Ch. 11 study guide. Because the potential energy of the ramp drop is converted to kinetic energy, the system must have four times as much potential energy. Gravitational potential energy is directly proportional to the height; so to get four times the height. In simpler terms, the higher the ramp, the more potential energy... Chapter 11 Study. Energy stored in an Earth-object system as a result of gravitational attraction between the object and earth is\_\_.