

Kinetic and Potential Energy

Read pages 214-217 in the blue Physical Science textbook and answer the following questions.

1. What is energy?
2. What unit is used to express energy?
3. Explain how energy is transferred from a tennis player to the tennis ball. (Hint: Look at the picture and read the captions on the bottom of page 214.)
4. What is kinetic energy? Give an example of something that has kinetic energy.
5. Which has a greater impact on the amount of kinetic energy something has: speed or mass?
6. What is potential energy? Give an example of something that has potential energy.
7. What two things does gravitational potential energy depend on?
8. What is mechanical energy?