

Types of Energy

Name _____ Per. _____

Page 380

1. Yes or no, does it take energy to:

Lift a book? _____

Walk across the room? _____

Stay perfectly still? _____

2. Energy is the ability to cause _____. The following items all have energy. How do they cause change?

a. A moving car.

b. A burning candle.

c. A piece of pizza.

3. An object that is moving has what kind of energy? _____

4. Which item in each pair has the most kinetic energy? (Circle the answer)

Car going 20 km/hour : Car going 30 km/hour (The cars are the same mass.)

10-Pound bowling ball : 8-Pound bowling ball (Both balls are rolling at the same speed.)

5. What two properties affect how much kinetic energy an object will have?

6. Does a book resting on the edge of a table have kinetic energy? _____ Does the same book have potential energy? _____ Why?

7. An unruly student stretches a rubber band in order to fling a “hornet” at a classmate. What kind of energy is in the rubber band while it is stretched? _____

8. If the student lets go of the rubber band, causing the piece of paper to fly across the room, what kind of energy is in the paper while it is in the air? _____ and _____. Why?

9. Describe what happens to the potential and kinetic energy of a baseball that is falling.