

Name: \_\_\_\_\_

Period: \_\_\_\_\_ Date: \_\_\_\_\_

**GIANCOLI READING ACTIVITY**

**Lsn 18-5 to 18-6**

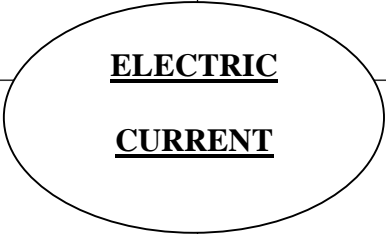
1. Big Idea: Changes that occur as a result of interactions are constrained by conservation laws.
2. Enduring Understanding: The energy of a system is conserved.
3. Essential Knowledge:
  - a. Energy can be transferred by an external force exerted on an object or system that moves the object or system through a distance; this energy transfer is called work.
  - b. Energy transfer in mechanical or electrical systems may occur at different rates.
  - c. Power is defined as the rate of energy transfer into, out of, or within a system. [A piston filled with gas getting compressed or expanded is treated in Physics 2 as a part of thermodynamics.]
4. Read sections 18-5 and 18-6 in your textbook.
5. Use the attached Frayer Model worksheets to explore the terms listed below:
  - a. Electric Power
  - b. Watt
  - c. Kilowatt-hour
6. Answers may be typed or neatly printed. Drawings may be freehand, but try to make use of the 'Shapes' or 'Insert Clipart' functions of MS Word.
7. Assignments may be submitted by hardcopy or by uploading to ManageBac. Uploaded assignments must have a filename in the following format, "LastnameFirstinitialPerXReadActX-X".

Definition

Characteristics

Examples

Non-examples



Definition

Characteristics

Examples

Non-examples

