

➤ Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas, and big questions.

➤ Objective(s):

- *Understand how current and voltage affect the electrical power that an individual resistor consumes, and that a circuit composed of multiple resistors consumes.*
- *Relate the power that a circuit consumes to the rate at which the electrical energy is used by the circuit.*

➤ Notes:

During the video segment, use words, phrases, or drawings to take notes.

➤ Summary:

After watching the video segment, write at least three sentences explaining what you learned. You may ask yourself: "If I was going to explain this to someone else, what would I say?"

Answer the following.

1. What are the three main sources of electrical power in the United States?

2. In which unit is power measured?

3. What does electrical power equal in terms of potential difference and current?

4. How can you tell how much power a light bulb is emitting compared to others?

5. What does it mean that LED bulbs are more efficient than the traditional, incandescent bulbs?

6. In what unit is electrical energy purchased from the power company?
