

**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 amount of electrical power consumed by both an individual resistor and a circuit composed of multiple resistors.*
- *Relate the amount of power consumed by a circuit to the rate at which electrical energy is used.*

**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?

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2. What unit is used to measure power?

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3. Use an equation to explain the relationship between electrical power, potential difference, and current.

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4. How can you tell how much power one light bulb is emitting compared to others of the same type?

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5. How are LED bulbs more efficient than traditional incandescent bulbs?

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6. What unit is used to purchase electrical energy from a power company?

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