Main Ideas, Key Points, Questions: After watching the video segment, write down key points, main ideas, and big questions.	Objective(s): Compare and contrascurrent and voltage a Understand how current resistors in a completion 	st parallel circuits with series circuits, in terms of across each resistor. rent and voltage change as the orientation of the ex circuit changes.
	Notes:	During the video segment, use words, phrases, or drawings to take notes.
Summary: After watching You may ask you	the video segment, write at leasurself: "If I was going to explain the	st three sentences explaining what you learned. his to someone else, what would I say?"

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Unit 5H_Notes and Questions STUDENT

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Unit 5H Parallel & Complex Circuits Questions to Consider

Date:

Name:

Answer the following.

1. How does a parallel circuit compare to a series in circuit in terms of the paths through which the current can flow in the circuit?

2. What is the same in each branch of a parallel circuit?

3. How do you find the total current flowing through the circuit from the current in each branch?

4. If a branch of a parallel circuit has more resistance than the other branches, how does the amount of current flowing through that branch compare to the other branches?

5. How do the brightnesses of identical light bulbs that are wired in parallel compare to one another? How would they change if more bulbs are added to the circuit?

6. Write the equation for finding the equivalent resistance of multiple resistors in parallel:



Unit 5H Parallel & Complex Circuits *Questions to Consider*

Date:

Name:

7. How does the total resistance in a parallel circuit compare to the values of the individual resistors?

8. Why are houses wired in parallel instead of in series?

- 9. When circuits have some components that are wired in series, and some that are wired in parallel, they are called circuits.
- 10. What is the same in each resistor that are wired in series to one another?
- 11. What is the same in each branch that are wired parallel to one another?