**Chapter 14 Section 2 Electrical Current and Electrical Energy pages 424-430**

Please follow the T-Chart format of Cornell Notes to answer the following questions as you read pages 424-430. Remember to complete a 2 to 3 sentence summary at the end explaining the big ideas behind this section.

**Pages 424-427**

1. What is an electrical current?
2. In what unit is electrical current expressed?
3. How do electrical charges move?
4. What are the two types of electrical current?
5. What is the difference between AC and DC current?
6. Give an example of AC current
7. Give an example of DC current
8. Explain what voltage is (p. 426)
9. What could we compare voltage to?
10. What is the voltage of a AA battery?
11. What is the voltage of a car battery?
12. What is the voltage of most AC current in the United States?

**Pages 427-430**

1. What is resistance?
2. Explain the unit that resistance is measured in and record its symbol. Which symbol is used for resistance in mathematical equations?
3. What factors determine an object’s resistance?
4. Name a good conductor that would have low resistance
5. Name a good insulator that has high resistance
6. Name an example of how resistance can be helpful
7. What is a superconductor? (page 428)
8. In electricity, what is a cell? (page 429)
9. Name the parts of a cell and explain the energy conversion in them.
10. Explain the difference between a wet cell and a dry cell
11. What are thermocouples and what are they useful for?
12. What is a photocell?
13. How do photocells work?

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Summary-in 2 or 3 sentences summarize what this section was about

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