Completed (40 possible) Accuracy of answers (30 possible) Appropriate grammar (15 possible) Neatness of record (15 possible)	
Total	
A = 86-100 points	
B = 71-85 points	
C = 70 points or less	

## 4-H Electric — Level 4 Record Sheet



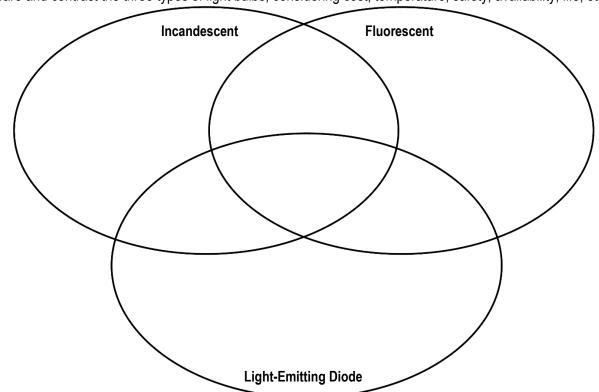
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A completed record sheet is due by the last business day of May to exhibit each project at the fair. Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

The Basics		
Name	4-H Club	
Years in 4-F	-H Grade	
<b>Getting Started</b> Define lumen.		
	nd a reflected glare.	
What is an example of task lighting?		
what is an example of task lighting:		
What is an example of general lighting?		

## **Making Connections**

Compare and contrast the three types of light bulbs, considering cost, temperature, safety, availability, life, etc.



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We do not necessarily care what you spent constructing your exhibit, but it is good for you to understand that things have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit or think you'll spend once it is complete? Circle one.

\$5.00-\$15.00 \$15.00-\$30.00 \$30.00-\$50.00 Greater than \$50.00 \$0.00-\$5.00 What did you enjoy the most about your project this year? What was the most challenging thing you encountered with this year's exhibit? **Shining On** Think about how kilowatt-hours are calculated as it relates to an electrical bill. If you light your living room for an evening (5 hours) with a lamp an one overhead light, how much would you spend? The overhead light has a 75watt-equivalent LED bulb that uses 13 watts, and the lamp has a 60-watt-equivalent bulb that uses 8 watts. The current cost per kilowatt-hour is \$0.10. Use the formula below to find your answer. kWh = watts x hours1000 Current cost of electricity = \$0.10/kWh Businesses hire electricians, and this is how some people "make a living" and take care of themselves or their families. Name three places or institutions in you could study electricity and become a certified electrician. What is one thing you learned or sparked your interest as a result of completing this project?

In what way does this project apply to your life, or why is this subject matter important to you?