4-H 422c-W New 01/05

Indiana 4-H Electric Division II Judging Sheet "Magnet-Powered Flashlight" Coil *do not remove self-fusing tape from coil! Is the coil centered between the sponge rubber bumpers and taped securely to the clear plastic tube? Yes No Have the red wires been soldered onto the terminals of the coil? (Perform a visual inspection through the tape to see if solder has been applied to the terminals.) Yes No Printed Circuit Board (PCB) *do not remove PCB from tube! Are all component leads and wires soldered to the metal foil? Yes No Are there any solder joints with too much solder? No Yes Are there any solder joints that need more solder? Yes No Are there any cold solder joints? Yes No Are there any solder bridges? Yes No Does red insulation cover the wires all the way to the PCB? Yes No Is there any damage to the PCB or components from soldering? Yes No <u>Exhibit</u> Does the "Shake Light" illuminate when shaken? Yes No Is the "Shake Light" displayed neatly? (Maximum display board Yes size is 8½" x 11")_____ No Is the "What I Have Learned" worksheet attached? (If required) Yes No **Ribbon** (circle)

Champion Reserve Champion Blue Red White Green

Exhibitor	County	
	ic Division II Judging Powered Flashlight"	Sheet
<u>Coil</u> *do not remove self- Is the coil centered betwee taped securely to the clear	en the sponge rubber bumper	s and
· · · · · · · · · · · · · · · · · · ·	Yes	<u>No</u>
	oldered onto the terminals of on through the tape to see if s als.)	
	Yes	No
Are all component leads a	CB) *do not remove PCB fro nd wires soldered to the meta Yes	
Are there any solder joints	-	
	Yes	<u>No</u>
Are there any solder joints	s that <u>need</u> more solder? Yes	No
Are there any cold solder		
	Yes	<u>No</u>
Are there any solder bridg	F	
	Yes	<u>No</u>
Does red insulation cover	the wires all the way to the F	
	Yes	<u>No</u>
	PCB or components from so	<u>No</u>
<u>Exhibit</u> Does the "Shake Light" il	luminate when shaken?	
	Yes	<u>No</u>
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size is 8½" x 11")	Yes	<u>No</u>
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