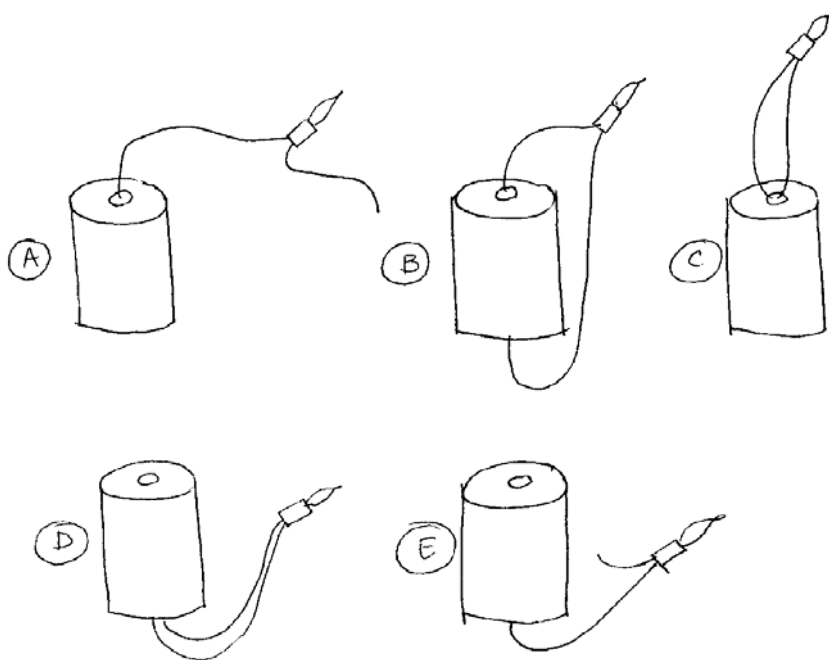


Station 1A:Electrical Circuits: Batteries & Bulbs

Activity A. What electrical paths between a battery and a holiday light will light the bulb?



1. **PREDICT:** Mark each drawing below with a check-mark if you think it describes a path that will light up the bulb.

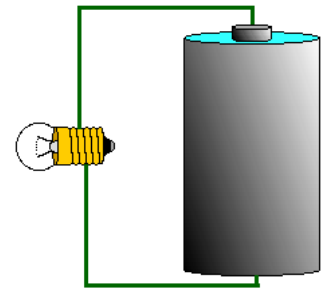
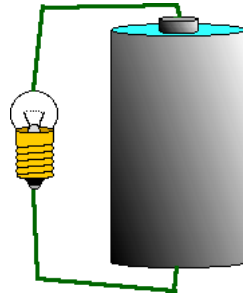
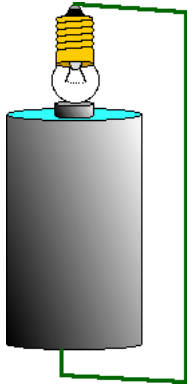


2.. **TEST:** Obtain a battery and a bulb and test your predictions.

What is required to make the bulb light?

Activity B. Challenge: This is a bit harder....

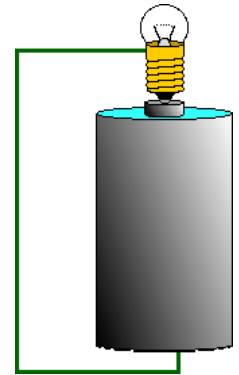
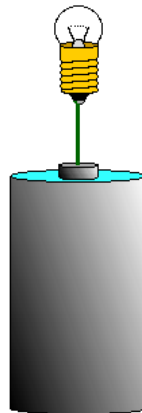
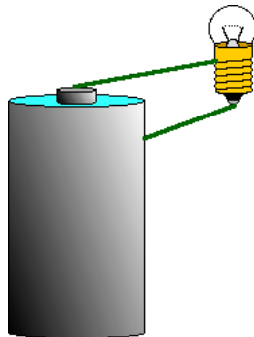
Predict: Put a checkmark by the ones you think will light up.



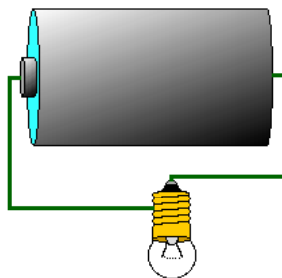
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Work with a partner to check which ones will light. Circle the ones that light up. **CAREFUL: DO NOT TOUCH THE BARE WIRE OR THE METAL PARTS OF THE BULB OR BATTERY WHEN DOING THIS EXPERIMENT: DIRECT CONTACT MAY RESULT IN A SKIN BURN.**

What connections are needed to make this bulb light?