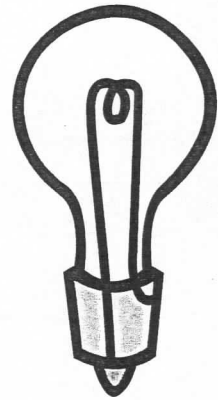


### Making a Flashlight

Do you know how a flashlight bulb is designed?  
 Clue! Take a look at the diagram.  
 Can you get it to work if given a battery and some wire?

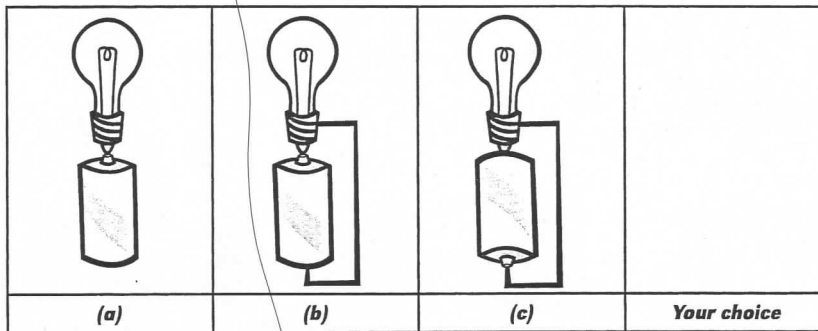


**Warning!**

You will quickly run down the battery if you connect the two ends with a piece of wire.

**An Experiment**

Which of these combinations do you think will work?



**Predict**

Which circuit(s) do you think will work? \_\_\_\_\_

Please give your reasons. \_\_\_\_\_

**Observe**

Let's experiment! Which circuit(s) worked? \_\_\_\_\_

Draw any other circuits that worked.

**Explain**

Try to explain what you need to do to get a lightbulb to light.

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