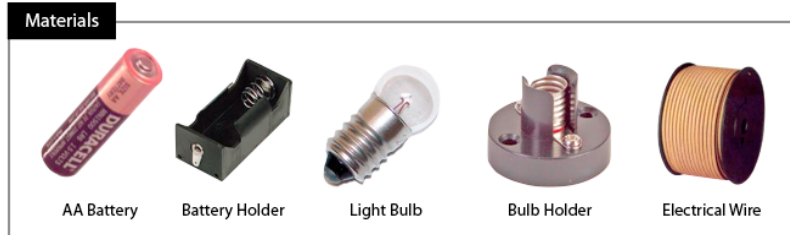


Name _____

Date _____

PINBALL WIZARD: MAKING A BULB LIGHT UP

Activity Purpose: Can a flashlight work without batteries? You would be right if you said *no*. The batteries produce the electricity that makes the bulb shine. But how does the electricity get from the batteries to the bulb? You can plan and conduct a simple investigation to find out how materials need to be arranged to make a bulb light.



Activity Procedure:

1. Predict a way to arrange the materials you have been given so that the bulb lights up. Make a drawing to record your prediction.

2. Test your prediction. Record whether or not the bulb lights up.

Name _____

Date _____

3. Continue to work with the bulb, the battery, and the wire. Try different arrangements to get the bulb to light. Record the results of each try.

Results: _____

Results: _____

Name _____

Date _____

Results: _____

Results: _____

Name _____

Date _____

Draw Conclusions:

1. What did you observe about the arrangement of materials when the bulb lit up?

2. What did you observe about the arrangement of materials when the bulb did not light?

3. To find out more about bulbs and batteries, you could plan an investigation of your own. To do that, you need to decide the following: What question do you want to answer? What materials will you need? How will you use the materials? What will you observe?
