

Post-Lab Questions

Questions

1. Does the can roll towards or away from the balloon? Explain why. _____

2. What process of charging was used to charge the balloon? Explain how. _____

3. What amount of charging (rubbing fur on balloon) resulted in the quickest speed for the pop can?

Explain why. _____

4. What amount of charging (rubbing fur on balloon) resulted in the slowest speed for the pop can? Explain why. _____

5. What is the relationship between the amount of charging and the speed of the pop can? _____

6. What are some possible sources of error? Errors that could have been made during the lab that could have skewed the results. How would you avoid these errors if you conducted the lab again?

7. Create a bar graph using your results from Table 1. to show the relationship between the amount of charging (rubbing fur on balloon) and the speed of the pop-can.