

Measuring Static Charge



- 1 Choose four materials you will use to rub the balloon. List them in the table.
- 2 Sprinkle about $\frac{1}{2}$ teaspoon of pepper on the white paper.
- 3 Rub the balloon 10 times with the wool.
- 4 Hold the ruler upright with the 0 end against the paper. Hold the balloon about 10 cm over the paper.
- 5 Slowly lower the balloon until you see or hear the pepper being attracted to the balloon.
- 6 How many millimeters above the paper is the balloon? Record the distance in the table.
- 7 Repeat Steps 3–6 for the other four materials. Be sure to rub the balloon 10 times with each material.

Material	Distance from Paper (mm)
1. Wool	
2.	
3.	
4.	
5.	

Conclusion: Which material gave the most charge to the balloon?
