

## Friction Board Experiment

Procedure:

1. Work in groups of two or three.
2. Put a material listed below on the board.
3. Put the block on the material.
4. Lift the board up slowly until the block falls to the bottom of the board.
5. Measure the height of the board.
6. Choose another type of material perform the same type of experiment.
7. Keep doing this until you have done all the materials.

<b>Type of Material</b>	<b>The Height in Centimeters the Block Falls</b>
Coarse Sandpaper	
Medium Sandpaper	
Fine Sandpaper	
Wax Paper	
Plastic Wrap	
Aluminum Foil	
Cloth Towel	
Construction Paper	
Copy Paper	
Wood	

Make a bar graph for each type of material of how high the board was until it the block slid to the floor.

Answer the questions on the other side.

1. What is your conclusion of why some items fell quickly as the board was being raised?

---

---

---

2. What is your conclusion of why some items didn't fall quickly as the board was being raised?

---

---

---