Activity Guide 2

Friction block

Masses

Spring Force Meter

Table top or floor

* Take care the masses are not pulled too near to the edge of the table, or simply work on the floor.

Gather data to complete the table. Test each material with at least 6 masses. Continue results table over the page if necessary.

Results

|  |  |  |  |  |  |
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| Materials | Load (grams) | Sliding Friction Force (Newtons) | | | |
| Test 1 | Test 2 | Test 3 | Average |
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Plot graphs of Friction force (y-axis) against contact force (x axis)

Describe the relationship between the two variables.

By comparing your results with others, can you suggest which factors change the friction force?