



Draw a diagram of your experiment below:



**Conclusion:**

How did your experiment demonstrate Newton's First Law of inertia? Use the words mass, inertia, force, and friction in your explanation.

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Your friend finally agrees that Newton's First Law is true, but he is still slightly confused. He states that inertia depends on an objects speed, so a moving object has more inertia than a resting object. How would you demonstrate to him that the amount of inertia of an object depends on its mass not its speed?

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