



Draw a diagram of your experiment below:



**Conclusion:**

How did your experiment demonstrate Newton's Second Law of Motion? Use the words force, mass, and acceleration in your explanation.

---

---

---

---

Your friend finally agrees that *part* of Newton's Second Law is true, but he is still slightly confused. He believes that Force = mass x acceleration, but he says that the force of gravity must vary dependent upon the object. This is why a feather and a bowling ball do not fall at the same rate. How would you correct your friend's belief?

---

---

---

---

---