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*How Does Your Spaghetti Hold Up?*

The purpose of my experiment was to find out if a structure made only of spaghetti and marshmallows could support my weight. My hypothesis stated that I believed a structure made of spaghetti and marshmallows would not support me. The controls/constants of this experiment were the type of spaghetti and marshmallows used and the height of the structures. All vertical and horizontal spaghetti was 4 centimeters between the marshmallows. The variable was the amount of vertical supports used in each structure. To test a structure, I placed a platform on top of it and added weight onto the platform until the structure failed. I tested five structures, with the following results: the structure made of 9 single vertical supports held 4 pounds, 9 double vertical supports held 10 pounds, a structure of 16 double verticals supported 35 pounds, a 25 double vertical structure held 70 pounds and a structure of 56 double verticals supported 193 pounds. In conclusion, my hypothesis was proven false, as I was able to support almost three times my weight with a structure made of just spaghetti and marshmallows. This just proves that mighty strength can come from small things!