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Humidity vs Hair

When determining a science fair project, this project appealed to me because I wanted to give beauticians the guidance needed when deciding hairstyles. The problem was how humidity affects hair. When predicting the outcome, I hypothesized that the more humidity in the air, the hair would expand and bounce back, causing frizz. After building the hygrometer, testing the intermediate values was a key test. Two values were tested; the lowest and highest, and others were divided into the distance. As each value was tested, one pointer moved 3 millimeters, and the other moved 3.5 millimeters. The different movements between the pointer proved the hypothesis incorrect. The stands of hair bounced back when humidity levels rose, but did not expand first. Changing the variables could be a possibility for improving this project. Hair color and hairstyle may also affect the result. Extending this project could bring many more alternatives to the outcome.