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Which Apple A Day Keeps The Doctor Away?

The researcher's project was to test the amount of energy in apples to determine which type produces the most energy. The researcher hypothesizes the Red Delicious apples produce the most energy because she thinks these apples are sweetest. The first step is to dehydrate the apples. In order to dehydrate them quickly, you need to cut them into small pieces. The researcher dehydrated these for eight hours. The researcher found the mass of the dehydrated apples. After finding the mass of the apples the researcher put the apples on the calorimeter. The researcher burned them using wood splints. Once the apples were completely burned the researcher recorded the water temperature. The researcher subtracted the original temperature from the final temperature to find the rise in temperature of the water. This would be used to determine the amount of energy needed to increase the temperature of the water to determine the number of calories in a mass of the apple. To find the mass of the apples the researcher subtracted the mass of the ashes from the mass of the dehydrated apples. The researcher took the mass of the apples and divided it into the number of calories to determine the calorie/gram of each type of apple. The tests did not support the researcher's hypothesis. The Golden Delicious apples produced the highest amount of energy. They had an average of 1389.3 calorie/gram.