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H₂O MPG: Does A Homemade Hydrogen Electrolyzer Really Improve Fuel Mileage?

The purpose of this experiment was to determine if a homemade electrolyzer would improve fuel mileage. First, average the fuel mileage of five tanks of fuel on a vehicle chosen as the control. Then build the electrolyzer and install it on the control vehicle. After installing the electrolyzer average the fuel mileage of five tanks of fuel with the electrolyzer on the control vehicle. Finally, compare the results of all tests to determine the best fuel mileage. In conclusion the hypothesis was correct because the electrolyzer improved the fuel mileage by seven tenths of a gallon, which is an increase of 4.6%.