

Researchers hypothesized that people who drink moderate amounts of red wine have less cardiac disease. To test this, an experiment was conducted in which 1/3 of the participants drank no red wine for 6 months, 1/3 drank moderate amounts of red wine for 6 months, and 1/3 drank large amounts of red wine for six months. At the end of the 6 months, all participants were given tests to determine the occurrence of or their increased risk for heart disease.

Did the researchers select an appropriate methodology given the stated hypothesis?

It was hypothesized that chewing sugarless gum actually reduces the likelihood of cavities. Researchers tested this hypothesis by comparing the number of cavities people had with how much sugarless gum they chewed.

Did the researchers select an appropriate methodology given the stated hypothesis?

Researchers predicted that people would eat more when the Homeland Security alert was higher. To test this, researchers asked people why they eat more at certain times and recorded all their answers. The most common answers were identified as the most likely reasons.

Did the researchers select an appropriate methodology given the stated hypothesis?