

QUESTION:

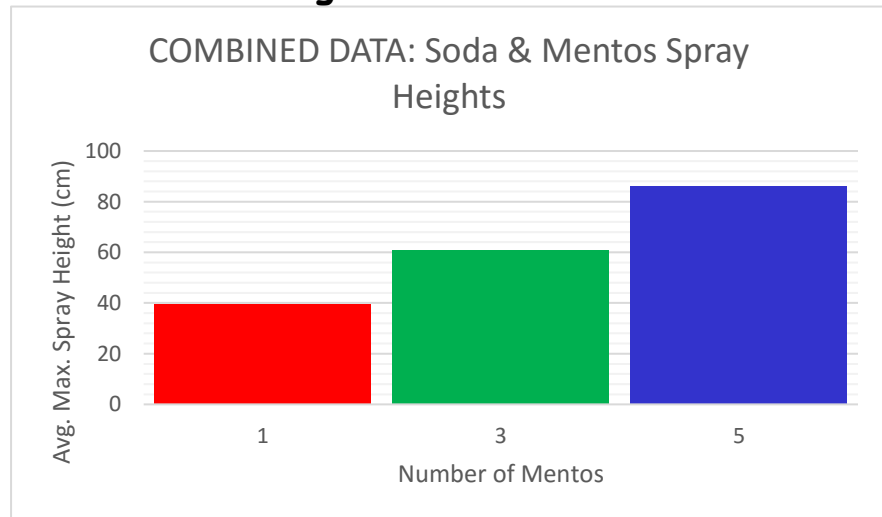
How does the number of Mentos added to Diet Coke affect the strength of the reaction?

CLAIM:

More Mentos causes a stronger reaction

EVIDENCE:

Increasing the number of Mentos caused the spray height to increase. Higher spray indicates a stronger reaction.



JUSTIFICATION:

Ingredients in the soda and candy react to form carbon dioxide gas. Nucleation sites (craters) on the candy surface provide a place for CO_2 bubbles to form.

Increasing the number of Mentos increases the amount of reactants and the number of nucleation sites, allowing more CO_2 bubbles to form faster.