

Name: _____ Date: _____ Class: _____

Mentos Fountain Worksheet

In a Mentos® fountain, _____ energy stored in the soda's carbonation is transferred to _____ energy.



Our teacher has designed the following fountain:

Nozzle	Soda Temperature	# of Mentos
x shape	room temperature	5

We want to design a Mentos® fountain that shoots higher than this one.

Our class is going to work together to design a Mentos® fountain that shoots as high as possible so we can defeat the teacher in a head-to-head competition. My group is investigating the effect of

_____.

We will vary _____, while the other factors remain the same.

We predict that: _____.

Run #	Nozzle	Soda Temperature	# of Mentos®	Results
1				
2				
3				

Our prediction was right/wrong. (circle your answer)

Based on our results, we found: _____.

After sharing our results with the other groups, we predict the best fountain design is:

Nozzle	Soda Temperature	# of Mentos®