e:			pe	er	dates		
		Mythbusters:	Diet Coke 8	& Mento	<u>)s</u>		
	you watch the video, use estions and fill in the blan		scientific method	od and exp	perimental design to answe	er the	
1)	What happens when yo	ou drop Mentos into a 2L bottle of Diet Coke?					
2)	-	esting to see why this occurs. Hypothesis #1: The geyser occurs because is released from the Diet Coke.					
Ex	periment 1: IS CARBO	N DIOXIDE (CO ₂) GA	AS ESSENTIAL	L FOR TH	E SODA TO ERUPT?		
Hy	pothesis: If a 2L bottle m bottle, then soda withou		e soda to erupt		remove the CO ₂ gas from	the 2L	
3)	Did results match predi	ction?					
4)	In Experiment 1, the In-	dependent Variable is_					
5)	In Experiment 1, the Dependent Variable is						
6)	In Experiment 2, the in	danandant variable is					
7)	In Experiment 2, the independent variable is In Experiment 2, the dependent variable is						
8)	Did results match prediction? Describe the results:						
	NCLUSION: There mus				evser reaction		
				_	E HEIGHT OF THE GEY	CED9	
						SEK:	
13)	-	experiment 3, the independent variables are					
14) 15)		Experiment 3, the dependent variable is Experiment 3, the control group is					
16)	Pacults						
	Results:	Ingredien Diet Co	le	Higher	or lower eruption than soc water?	la	
		aspartame (Nutr	iSweet TM)			\dashv	
		citric acid				\dashv	
		phosphoric acid				\dashv	
		potassium benzo	ate	-		\dashv	
		caffeine					