

Purpose: To find out how much energy is contained in a peanut and a cheeto.

Individual Hypothesis: I hypothesize that the peanut will contain more energy than the cheeto because it is denser.

Group Purpose: To determine which has more calories, the peanut or the cheeto.

Group Hypothesis: We hypothesize that the peanut will have more calories.

	Mass	
Can & Water	93.5 grams	
Can	15 grams	
Water	78.5 grams	
	Start	Finish
Cheetoh Mass	.8 grams	0 grams
	Start	Finish
Peanut Mass	0.4	0.3
Start Temperature Cheeto	Finish Temperature Cheeto	
36 C	54 C	
Start Temperature Peanut	Finish Temperature Peanut	
36 C	39 C	

1. The molecular structure of the peanut as a solid form is disassembled and reduced to its simpler components, such as carbon dioxide.
2. When combusted, most objects leave behind trace remnants which are the remains of the components that were transformed to carbon dioxide.
3. .2335
4. .55, so there is a standard of comparison between the cheeto and the peanut.
5. We got 12 times less than the amount per gram the label states, this is because much of the calories was dissipated as heat.

6. The cells obtain the energy from the broken down molecules of your food as protein, carbs, lipids etc. Anything that cannot be digested is excreted as roughage.
7. Plants combine these same elements to create their food.