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### *Pig-In-A-Blanket*

Pig fat compared to human bodies in fires? Unfortunately, 2,620 deaths occurred in the United States in the year 2006. What were the causes for these deaths? Well, the answer is fire. These fires occur from electrical distribution, smoking, cooking, and many other reasons. But can your own body fat contribute to the combustion and work as fuel to increase temperature and result to higher heat release. The more heat, the faster the fire spreads throughout an area. But testing: average burn time, average increase of temperature, average heat calories (per minute), average difference of mass lost, and average calories per/gram. I hope to find a positive correlation of how each factor related to the other and how body fat is not a factor for human body combustion. I tested a total of twenty-five pieces each weighing 54.43g. There were five groups; containing five pieces of 100%, 75%, 50%, 25%, and 2% fat. They were all wrapped by a piece of cotton. Initial weight and temperature were taken before and after. Other tested factors were later calculated. After concluded my experiment, my hypothesis was incorrect about : average burn time, average increase of temperature, average heat calories (per minute), average calories per/gram. But I was correct about the average difference of mass lost and there was a positive correlation of how the factors for fire associate to the fat and process of human body combustion. Clearly, human body fat contributes to the fuel in fire and spreads to other flammable materials.