

Name _____
School _____

Experimental Design

Kraemer Scrimmage 2017-2018



The Army is looking for an engineer to design, test and build a new parachute for its troops. They are interested in parachutes with very slow descent times, to make it safer for their soldiers. You have the following materials to build and test your design:

- Green Army Man
- Thin String
- Plastic Bag
- Construction Paper
- Cloth
- Scissors
- Hole Puncher
- Printer Paper
- Balloon
- Stopwatch

Directions: Design and conduct your experiment. Use the form starting on the next page. Because of time, omit sections E, F, L

A. Problem / Question

B. Hypothesis

C. Variables

D. Experimental Control (Standard of Comparison-SOC)

E. Materials

F. Procedures (w/ sketch) and materials

G. Qualitative Observations

H. Quantitative Data

I. Graphs

J. Statistics

K. Analysis and interpretation of Data

~~L. Possible Experimental Errors~~

M. Conclusion

N. Applications and Recommendations for Further Use

