

RUBE GOLDBERG PROJECT: Written Assessment

Due date: _____

Each group MEMBER is required to write about the project individually. Answer the following questions in **typed** form. Your paper should have 4 sections and the appropriate number of paragraphs in each section.

At the top of your page, be sure to include your name as the writer and then list the names of your group members.

WRITTEN DETAILS

Answer the following questions in **typed** form. Your paper should have 4 sections and the appropriate number of paragraphs in each section.

I. Describe your machine:

- a. Explain the end task. (1 sentence)
- b. Pick one of your simple machines and explain how it either changed the direction of force or added mechanical advantage. You might need to include a sketch so that the reader has a visual of how the machine was set up. (1 paragraph)
- c. Pick one of your energy transfers and explain how one type of energy was transferred to another type of energy. Be specific about the types of energies. (1 paragraph)
- d. Explain the physical properties of the reactants and products of the chemical reaction you chose to use. You must identify which ones were reactants and which were products. (1 paragraph)

II. Describe your outcomes:

- a. Did your machine run perfectly in one try? If not, describe briefly the outcome on presentation day and your group's problem-solving methods (number of touches, number of trials, things that broke, went missing, things you tried to fix, how you did so, etc). If your machine did run perfectly, what type of preparation did your group do in order to make it a successful machine? (1 paragraph)

III. Describe the process your group went through to build the machine:

- a. Did you meet regularly and often? Did every member always come? Did all of you manage your time well? If not, please explain what did happen. (1 paragraph)
- b. If your group was paid \$1000 for your machine, how would the money be split so that everyone got a share that represented their work? (1 paragraph)

IV. Describe how you would change your procedure in the future:

- a. What would you do differently if you had to do this project again? What is the most important advice would you give to next year's IPS class members about this project? What would help them to be successful? (1 paragraph)

V. Attach a copy of your group photo to the end of your paper. Photos can be found in Fawcett's folder on the server.