

Poster Assignment (30%)

Objective:

Design and illustrate your design of a Rube Goldberg Machine on a full size poster.

1. Title should be short and bold.
 2. Steps should be clearly labeled with numbers or letters
 3. Write the steps on a separate sheet of paper and tape it to the back of the poster.
 4. Describes machines that are required in the design. Different kinds of pulleys, levers, etc.
 5. Make a drawing of a Rube Goldberg device of your own creation which includes labeling the types of energy and different energy conversions involves in the process.
- * **energies** - these should be clearly labeled and numbered in blue next to where the energy occurs in the drawing.
 - * **different energy changes** - arrows should be drawn connecting each energy in the drawing to the next in red to show how one type of energy is changing into another.

Notes: Not all energies will be connected with arrows since not all energies will be directly changing from one form to another. Some energies will not change into another, but cause an energy from another source to be started. Remember the example of the broken energy chain.

Oral presentation (10%)

Oral presentation will be made to the class:

Explain all steps.

Identify all simple machines.

Identify all forms of energy and energy conversions.