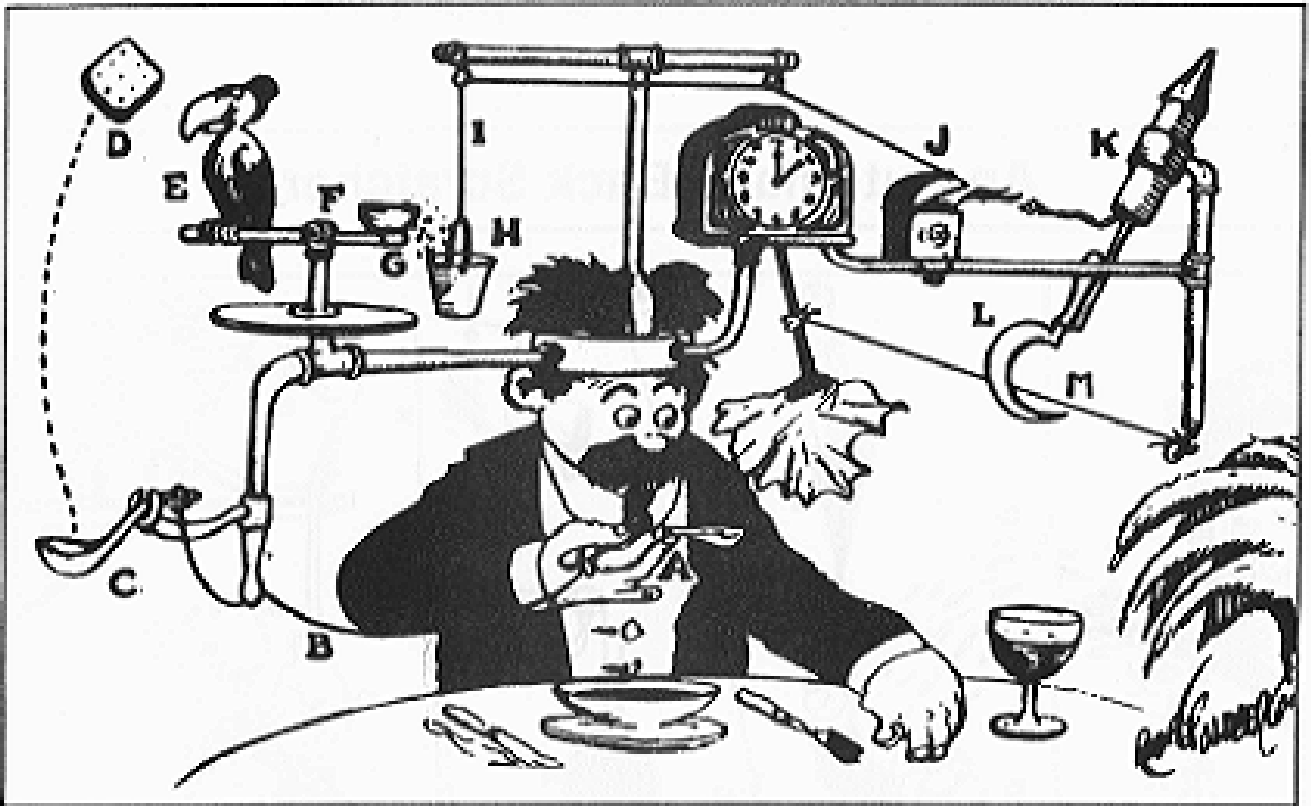


Inquiry Question

Can I build a Rube Goldberg machine then analyze it using the law of energy conservation?

Name: _____ Date: _____

Self-Operating Napkin



We know that the law of energy conservation means that energy cannot be created nor destroyed.

A Rube Goldberg machine is a machine that makes the most simply task super complicated. In this picture, there is an elaborate machine just to use a napkin.

In this project, you are going to make your own Rube Goldberg machine and analyze how it relates to the law of energy conservation.

General Instructions

Use materials found around your house; how can you make a simple task much more difficult?

Materials you'll need:

- Materials at your house
- Planning sheet attached

Hints and Ideas:

- Your machine must be creative and have 6 steps
- Law of conservation video: <https://www.youtube.com/watch?v=Vx0yAS2u8gl>
- Example of a Rube Goldberg machine:
<https://www.youtube.com/watch?v=qybUFnY7Y8w>

Project Submission

You can either submit a video or show your teacher in person along with your planning sheet.

Can I build a Rube Goldberg machine then analyze it using the law of energy conservation?

Name: _____

Brainstorm: what simple task could your machine do? (ex: help use a napkin)

Circle which one you decide on.

What materials will you need?

Sketch your machine: