1. Who was Rube Goldberg? Create a short biography.

**Interesting fact:** The British cartoonist, W. Heath Robinson, born 11 years prior to Rube Goldberg, was also famous for his drawings of whimsically complicated machines to complete simple tasks.
2. Watch this video about Rube Goldberg, featuring his granddaughter, Jennifer George and make notes. Write a short summary using key facts.

https://youtu.be/1_hbEhyrNAM?si=MvnotF9b6IVFx4w0

3. Have a look at one of the inventions below. What machine did Rube Goldberg create? Describe the process in detail.

Useful vocabulary:

**Simple tools:**
Lever, inclined plane, pulley, wedge, wheel and axle, screw

**Forces and motion:**
Force, pull, friction, energy transfer, gravity, speed, magnetism, push, air resistance, sink, float

**Materials:**
Glue gun, duct tape, marbles or balls, paper clips, chains, wooden beam, wires, balloons, dominos, straws

**Additional vocabulary:**
4. Now create your own invention. Follow these handy steps:

- **Start at the end** – what should your invention achieve?
- **Have a plan** – brainstorm, make a sketch, follow up ideas
- **Materials** – what do you need for each step?
- **Build a mock-up / create a detailed drawing**
Use this box for your own invention / if in a group, to draw the invention presented by your fellow student.

5. Present your invention with the help of the useful vocabulary.

Drawings from Visit the Rube Goldberg cartoon gallery - Rube Goldberg Institute

Biography template created with CANVA