



# RUBE GOLDBERG MACHINE DESIGN PLAN WORKSHEET

<b>Student Inventor/s:</b>	<b>Date:</b>
----------------------------	--------------

**What are some creative ways I can solve the assigned task of:**  
**PUT TOOTHPASTE ONTO A TOOTHBRUSH**

**BE CREATIVE!! Ask yourself:**

- Does it have to be a real toothbrush, or could a toilet plunger with mop bristles do the job?
- Could I brush my teeth with peanut butter? (Yes. Yes, you could)

**What Simple Machines COULD you use? (You must use at least 4 machines). How would you use them in your machine?**

1.

4.

2.

5.

3.

6.

**The design for my machine will work in the following steps (The final step solves the task, the first step is triggered by you). A step = pieces of the puzzle / each piece of your machine**

**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

**7.**

**8.**

**9.**

**10.**

\_\_\_\_\_ **to put toothpaste onto the toothbrush!**

Draw a diagram of your Rube Goldberg machine prototype. Be sure to label each simple machine and briefly describe what they will do and how they will fit together to make the machine work. Be as detailed as possible in your design. Remember: it is **PERFECTLY OKAY** to change your design later!

