

## Rube Goldberg Machines Grading Rubric

Group member names:

Chosen machine goal:

- dump goldfish into a bowl
- pop a balloon
- drop candies into soda pop

1. Does the entire Rube Goldberg machine work? Is the end goal achieved?

- yes  no  yes  no \_\_\_\_\_ /25 points

2. Are each of the following simple machines included as part of the design?

- Lever \_\_\_\_\_ /5 points
- Pulley \_\_\_\_\_ /5 points
- Inclined plane \_\_\_\_\_ /5 points
- Screw \_\_\_\_\_ /5 points
- Wedge \_\_\_\_\_ /5 points
- Wheel and axle \_\_\_\_\_ /5 points

3. Does each simple machine work?

- Simple machine #1 \_\_\_\_\_ /5 points
- Simple machine #2 \_\_\_\_\_ /5 points
- Simple machine #3 \_\_\_\_\_ /5 points
- Simple machine #4 \_\_\_\_\_ /5 points
- Simple machine #5 \_\_\_\_\_ /5 points
- Simple machine #6 \_\_\_\_\_ /5 points

4. Does each simple machine trigger the next simple machine?

- Transition #1 \_\_\_\_\_ /5 points
- Transition #2 \_\_\_\_\_ /5 points
- Transition #3 \_\_\_\_\_ /5 points
- Transition #4 \_\_\_\_\_ /5 points
- Transition #5 \_\_\_\_\_ /5 points

5. How long does the whole contraption take to run?

\_\_\_\_\_ × 3 points per second = \_\_\_\_\_ points  
number of seconds

Comments:

Total Points = \_\_\_\_\_