Name:            Date:            Class:

# Rube Goldberg Machines Grading Rubric

| Group member names | Chosen machine goal |
|---|---|
| | ❑ Dump a goldfish into a bowl<br>❑ Pop a balloon<br>❑ Drop candies into soda pop |

| Does the entire Rube Goldberg machine work? Is the end goal achieved? |
|---|
| ❑ yes        ❑ yes      _____ /25 points<br>❑ no         ❑ no |

| 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 |

| 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 |

| 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 |

**How long does the whole contraption take to run?**

_____ × 3 points per second = _____ points

number of seconds

Comments:

**Total Points = _____**