Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rollercoaster Simulation

1. How does the rollercoaster get potential energy?
2. Where does the rollercoaster have the most potential energy?
3. Where does the rollercoaster have the most kinetic energy?
4. What happens to the rollercoaster as you increase it’s mass? How does this effect it’s potential and kinetic energy?
5. Did you rollercoaster fall off the track at all? Why do you think this happened?