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

PhET Simulation- Gravity & Orbits

1. Google PhET Simulation.
2. Click on the first link available.
3. Find the search box at the top and type in “gravity & orbits”.
4. Find “gravity & orbits” on the list and open up the simulation.
5. Play around with the simulation for a couple of minutes and figure out how it works.
6. Click on the model option.
7. What would happen in our sun had a bigger mass?
8. What happens if you turn off the gravity?
9. If you are just looking at the Earth & the Moon and you made the moon mass larger what happens to the Earth?
10. Turn on the paths and watch the Sun, Earth & Moon together. Draw a picture of what you see.
11. Now click on the “to scale” option, and name 2 differences that you see.