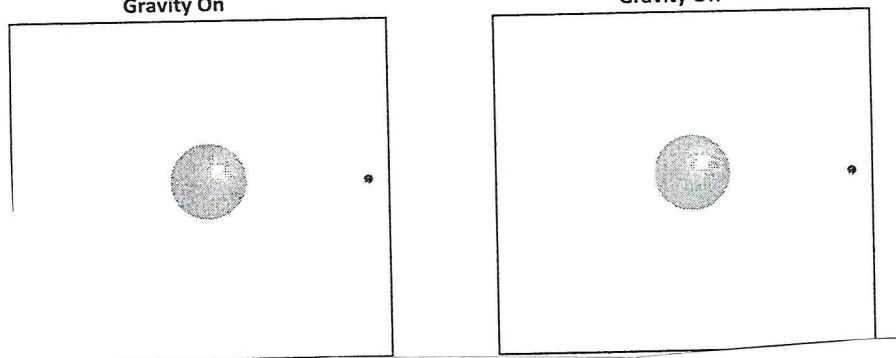


3. For the Sun and Earth System:

A. Draw the path of the Earth with Gravity on and Gravity Off.



B. What would happen to our solar system if we did not have gravity?

C. Why would this change happen?

4. Explore the simulation to see how you can change the force of gravity and observe what happens

A. Why do you think the Earth moves, but the Sun does not move?

5. In Question 2 you drew 2 pictures, go back and add arrows to show the force of gravity. Label the arrows "Gravity Force"

6. Find all the ways to change the length of the blue gravity force arrows.

A. Fill in an Action below and check if the gravity force increases or decreases

Action	Gravity Force
Put star and planet closer together	Increases or decreases (circle one)
	Increases or decreases (circle one)
	Increases or decreases (circle one)
	Increases or decreases (circle one)
	Increases or decreases (circle one)