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

**Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Gravity and Orbits**

**Post-lab**

1 Choose the picture you think shows the gravity forces on the Earth and the Sun.

*(a longer arrow to represents a big force, and a shorter arrow represent a smaller force)*



2. How would these gravity forces change if the Sun got much bigger?

Increase

Decrease

Stay the same

3. How would these gravity forces change if the Earth was much closer to the Sun?

Increase

Decrease

Stay the same

4. How would these gravity forces change if the Earth got much smaller?

Increase

Decrease

Stay the same

5. How would these gravity forces change if the Earth and Sun were moved far apart?

Increase

Decrease

Stay the same

6. Choose the picture of how the Earth would move if you “turned off” the gravity forces.

****

7.  How ***useful for your learning*** was this activity, compared to other science class activities? (circle)

More useful

Less useful

About the same

How ***enjoyable*** was this science class activity, compared to other science class activities? (circle)

More enjoyable

Less enjoyable

About the same

Why did you or did you not find it useful or enjoyable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_