Gravity and Space Study Guide

Vocab

Orbit Lunar eclipse angle of incidence

Solar eclipse Rotation lunar cycle

moon

1. What is orbiting Earth currently?

2. What kind of eclipse shows a “ring of fire”?

3. Why does the moon look red during a lunar eclipse?

4. Why does the Earth have seasons?

5. When is it summer and winter in the Northern Hemisphere?

6. What is the angle of Earths tilt?

7. What seasons are experiences at the equator and at the poles?

8. Why do we see moon phases?

9. What direction does the moon orbit Earth?

10. During the Round and Round lab when we were using the gravity simulator what did each part of the lab represent? (Fabric, center sphere, orbiting spheres)

11. Know what kind of orbits and the uses for

Low Earth orbit satellites-

Geosatellites-

Sun-synchronous satellites-

Geosynchronous satellites-

12. There is a balance between the force of gravity and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the planets.

\*\*you will have to identify all the moon phases\*\*

Written response – How are gravity, mass and orbits related?

|  |
| --- |
| Question: How do things move in space? |
| Claim: |
| Textual/research evidence:  Include your source |
| Lab evidence:  Include your source |
| Reasoning |