**Earth Moon and Sun**

**Test Review**

* **Big Bang Theory:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Geocentric:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What led to the Geocentric theory?**

*Observations of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and stars \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

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| **Geocentric Model***Take notice of where the Earth is located in this model*.  | http://t1.gstatic.com/images?q=tbn:ANd9GcSfac8QqnfDK_GR4yLFjzN6wKPNA16A63YMMZtkzLr4jswg7j1VDg:scienceblogs.com/startswithabang/files/2010/09/image005.jpeg |

* **Heliocentric:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What led to the development of the heliocentric theory?** *Geocentric could not explain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

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| Heliocentric Model*Take notice of where the sun is located in this model* | http://t0.gstatic.com/images?q=tbn:ANd9GcRJGWXu9A8ZDhbTM7EZOgQYloF0X2hKWXEqNjeOjMCdbK4Ffci4Zw:cf067b.medialib.glogster.com/media/a0/a00ccaee1b368dff88d1e74ee5c5eb948487ee2edcea3f963276a66869fb0cbf/copernicus-solar-system-gif.gif |

**Earth’s Motions**

**Rotation vs. Revolution**

**ROTATION**



* Rotation = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* For the Earth to make one full rotation it takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The rotation of Earth is responsible for daily changes like: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and the \_\_\_\_\_\_\_\_\_\_\_\_

**REVOLUTION**

* Revolution =
* If you live in the NY you live in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hemisphere.

Label the Northern and Southern Hemisphere on the globe.

* The Earth revolves around the \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* For the Earth to make one full revolution it takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The Earth’s revolving motion is responsible for yearly changes in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* During the Summer, the Earth is tilted \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the sun and receives more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sunlight.
* During the winter, the Earth is tilted \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the sun and receives more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sunlight.
* The Seasons are caused by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ not how close it is to the \_\_\_\_\_\_\_\_\_\_\_\_\_.
* If the Earth was not tilted on its axis, there would be the same number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and there would be no \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



**The Moon**

* The Moon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around the Earth/
* As the moon revolves around the Earth, it is exposed to different amounts of sunlight that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ off its surface. The moon DOES NOT produce light – it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it!!!
* The moon phases are caused by the different \_\_\_\_\_\_\_\_\_\_\_\_\_\_

the moon is in as it orbits the Earth



**Tides**

* The gravitational attraction between the moon and the Earth causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Water rises for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then falls for about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a regular cycle.

**Eclipses**

An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when one celestial body (star or planet) is blocked by another.

There are **2** types of eclipses: Solar and Lunar

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| http://t2.gstatic.com/images?q=tbn:ANd9GcQkznuFpvMGuNJ42qMDUd-ETcuFWOECeMSbCQKoFRVZjjYvGeoL:www.scientificamerican.com/sciam/cache/file/333AC413-6E33-44BE-8BC8A0B0D554026F.jpg**Solar Eclipse** | * When the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is between the sun and the earth
* Only happens during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phase
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| **Lunar Eclipse**http://t2.gstatic.com/images?q=tbn:ANd9GcT7BQS2QJyKk4mBgRmHJIAXvgWQeX1gyW2fnNmWxx3Q_dxzsud8Rg:oakdome.com/k5/lesson-plans/photo-editing/lunar-eclipse/lunar-eclipse-starfield.jpg | * When the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ gets between the sun and the moon.
* Only happens during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phase
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