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| Helio- Centric Model | The sun is the center, planets revolve around the sun. | http://www.digopaul.com/wp-content/uploads/related_images/2015/09/10/heliocentric_2.jpg |
| Geocentric Model | Earth is the Center, the sun and planets go around it. | http://scienceblogs.com/startswithabang/files/2010/09/image005.jpeg |
| Focault’s Pendulum | A peg swings back and forth, knocking down pins,  Show **proof of Earth’s Rotation.** | http://scienceblogs.com/startswithabang/files/2010/09/FoucaultPendulum.jpg  \*Earth Rotates 15 degrees an hour |
| Coriolis Effect | Proves earth rotates  Wind moves from it’s right. | https://upload.wikimedia.org/wikipedia/commons/6/69/Coriolis_effect14.png |
| Star Trails | Proves rotation of earth | https://i.ytimg.com/vi/V6ypRbPzoPM/maxresdefault.jpg |
| Celestial Object | Any object outside of Earth’s atmosphere. | https://upload.wikimedia.org/wikipedia/commons/f/fc/ESO-_Celestial_Objects_in_the_Capodimonte_Deep_Field-phot-15c-01-hires.jpg |
| Rotation | Earth Spins  West to East | http://www.thunderboltkids.co.za/Grade6/04-earth-and-beyond/images/gd-0045.png |
| Revolution | Earth’s movement around the sun.  365.24 days in a year. | http://mail.colonial.net/~hkaiter/aa_newest_images/earth_revolution%20copy.jpg |
| Retrograde Motion | Proof Earth Revolves.  Planet move backward, then forward because of the position. | http://cseligman.com/text/sky/retromars05.jpg |
| Constellation | Group of stars.  Proof Earth  Revolves around the sun | http://csep10.phys.utk.edu/astr161/lect/time/leo.gif |
| Apparent Daily Motion | The movement of the sun during different times of year.  -impacts shadow’s angle | [Image result for apparent daily motion](http://www.google.com/imgres?imgurl=http://www.nuffieldfoundation.org/sites/default/files/images/Observing%20motion%20of%20the%20Sun.jpg&imgrefurl=http://www.nuffieldfoundation.org/practical-physics/observing-motion-sun&h=315&w=350&tbnid=I4O49mE8_KwH5M:&docid=PsNFTP6I9jNyNM&ei=RGlLVpfrMcr0-AH9jIvYCA&tbm=isch&ved=0CCkQMygMMAxqFQoTCJedmfiCmMkCFUo6PgodfcYCiw&biw=1280&bih=903) |
| The Moon | Affects our our tides  \*gravity pulls the water on Earth | http://www.lunarland.com/images/Moon.OceanTides.jpg |
| Spring Tides  \*really high tides | The moon, Sun and Earth line up  \*new moon phase | http://oceanservice.noaa.gov/education/kits/tides/media/tide06a_450.gif |
| Neap tide | The sun and moon compete in their gravitational pull.  \*tides not as high. |  |
| Lunar Eclipse | Earth’s shadow is on the moon.  \*proves earth is round | http://www.nasa.gov/sites/default/files/styles/946xvariable_height/public/lunar-eclipse-diagram_0.jpg |
| Solar Eclipse  \*new moon phase | The moon blocks the sun from Earth | http://www.vancitybuzz.com/wp-content/uploads/2014/10/solar-eclipse.png |
| Umbra | The darkest part of the eclipse | http://www.astronomy.ohio-state.edu/~pogge/Ast161/Unit2/Images/umbra.gif |
| Penumbra | The partial shadow of the eclipse | http://www.astronomy.ohio-state.edu/~pogge/Ast161/Unit2/Images/umbra.gif |
| The Moon’s Revolution and rotation are the same | Revolution creates phases.  \*ESRT  27.3 days | http://www.exploringnature.org/graphics/space/moon_phases72.jpg |
| Summer Solstice | June 21  15 hours of daylight  Sun rises North of East and sets North of West | http://jesusastrotheology.com/sun_elevations_winter_solstice_3.jpg |
| Winter Solstice | December 21st  9 hours of daylight  Sun rises south of east and sets south of west | http://startswithabang.com/wp-content/uploads/2008/12/sunpath2.jpg |
| Spring and Fall equinox | Sept. and March 21st  12 hours sunlight  Sun rises due east and sets west. | http://startswithabang.com/wp-content/uploads/2008/12/sunpath2.jpg |
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