### **Moon Phases Webquest**

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| **Introduction**  The Moon changes shape every day. Sometimes you can see only part of the Moon. Other times, you can see the entire Moon. Why does this happen?The purpose of this WebQuest is to help you learn why we see phases of the Moon.  **YOUR LUNAR MISSION:**  Your task is to explain why the Moon changes appearance throughout the month. It will help you understand why the Moon's appearance changes. Your answers will be documented on your google document.  Moon Phases  **Task 1:**  Using Google Draw….   1. Draw the eight Moon phases. 2. Write the correct name of these phases.   **Watch the videos below to help you:**  [**VIDEO 1**](https://www.teachertube.com/video/eight-phases-of-the-moon-239940)  [**VIDEO 2**](https://www.teachertube.com/video/earth-sun-moon-and-phases-241674)  **Websites to help you:**  **[How Do the Phases Get Their Names?](http://www.windows.ucar.edu/tour/link=/the_universe/uts/moon3.html)**  **[Phases of the Moon](http://www.harcourtschool.com/activity/moon_phases/)**  [**Phases of the Moon – What Can You See Tonight?**](http://www.kidsastronomy.com/astroskymap/lunar.htm)  **Task 2::**  Define the following terms:   1. gibbous 2. waning 3. waxing.   **Use the glossary below to find the definitions**  [Glossary](http://www.moon.com.co/info/glossary.shtml)  **Task 3:**  1.Draw your birthday (date you were born) Moon. What phase was it on the day you were born?  2. Draw a picture of the phase of the Moon on your 2018 birthday.  **Use this website to select your birth date.**  [STARDATE](http://stardate.org/nightsky/moon)  **Task 4**  Answer the question…   1. During the evening (and daytime), the Moon, stars, and Sun appear to move through the sky. Explain why this happens.   **Use these websites to find out why.**  [Do Stars Move?](http://www.universetoday.com/85730/do-stars-move/)  [Do Stars Move in the Sky?](http://curious.astro.cornell.edu/question.php?number=371)  [Motions in the Sky](http://www.nrc-cnrc.gc.ca/eng/education/astronomy/topics/motions.html#stars_move)  [Paths of the Stars](http://astro.unl.edu/naap/motion2/starpaths.html)  **Task 5**  For *Task 5,,* draw the position of the Earth, Moon, and Sun at each of the eight phases.  **You can use this video to help you.**  [**VIDEO**](https://www.youtube.com/watch?v=78Zmpuf7h6M)  **You can use these links to help you:**  **[Lunar Phases (Highly Recommended!)](http://aspire.cosmic-ray.org/labs/moon/lunar_phase3.swf)**  **[Lunar Phases Interactive](http://highered.mcgraw-hill.com/olcweb/cgi/pluginpop.cgi?it=swf::800::600::/sites/dl/free/0072482621/78778/Lunar_Nav.swf::Lunar%20Phases%20Interactive)**  **[Lunar Phases Simulator](http://astro.unl.edu/naap/lps/animations/lps.swf)**  **[The Earth/Moon System](http://jove.geol.niu.edu/faculty/stoddard/JAVA/moonphase.html)**  **[The Moon’s Phases](http://www.sumanasinc.com/webcontent/animations/content/moonphase.html)**  [**Phases of the Moon**](http://www.harcourtschool.com/activity/moon_phases/) |