HPS – Stargazing Vocab Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Objective 2: Explain the common terms and methods astronomers use to locate and study celestial objects in the sky.

Directions: Use the following resources (one article and three simulations) to better understand the terms below. For each of the following terms, write the definition and sketch an image.

Resources: Objective 2 PowerPoint
<http://www.skyandtelescope.com/astronomy-resources/what-are-celestial-coordinates/>

<http://astro.unl.edu/classaction/animations/coordsmotion/radecdemo.html>

<http://astro.unl.edu/classaction/animations/coordsmotion/altazimuth.html>

<http://astro.unl.edu/classaction/animations/coordsmotion/celhorcomp.html>

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| --- | --- | --- |
| Key Term | Definition | Image |
| Declination |  |  |
| Right ascension |  |  |
| Ecliptic |  |  |
| Zenith |  |  |
| Altitude  |  |  |
| Azimuth  |  |  |
| North Star |  |  |
| Southern Cross |  |  |

Reflection Question:

Look at slide 5 on the Objective 2 Stargazing Terminology presentation. If you were trying to quickly communicate to your classmate how to find Venus in the night sky, would you share the declination and right ascension or the altitude and azimuth? Explain.