

NAME:

Observing the Azimuth of Sunset

Take a series of 3 pictures at sunset. These pictures are to show how the position of sunset changes along the horizon as the seasons change. This activity is best done near the equinox times from August through October, or February through April. The movement of the Sun during the peak of summer or winter is very small and will not show much movement. Near sunset take a picture about once per week from exactly the same location. It is critical to take each photo from exactly the same location or this observation will not work. It is safe to point your camera at the red setting sun very near the horizon. Do **NOT** point your camera at a bright sun high in the sky! Basically, you should always have the same horizon in all three pictures to show how the sun moves north or south along the horizon relative to the objects seen along the western horizon. You will need to be flexible with taking a picture once a week. Weather conditions will likely mess you up. You should pay attention to the weather. If poor weather conditions are in the forecast plan to take your pictures before and after the bad weather. Each picture should have the date and time it was taken. Be sure to include the date and time each picture was taken along with a description of the type of camera used such as iPhone camera, Nikon, Canon Sure Shoot, etc.

Sunset Observation Data

<p>Date: Time: Camera:</p>	<p>Student Picture</p>
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