

Eclipse Pamphlet or Scrapbook

Before investigating the causes of solar and lunar eclipses, you will use the internet to assemble a pamphlet or scrapbook showing what different types of eclipses look like.

1. Use the internet to find at least two (2) images of each of the following types of eclipses and paste them into your pamphlet or scrapbook. (You will use Google Docs so that your work will automatically be saved and can be easily shared with your teacher.)
 - a. Total Solar Eclipse
 - b. Partial Solar Eclipse
 - c. Annular Solar Eclipse
 - d. Total Lunar Eclipse
 - e. Partial Lunar Eclipse
2. Near each image, give the date and location at which the photograph was taken and any other information that describes the image.

You may find the following websites useful in your searching:

<http://www.mreclipse.com/Special/photo.html>

<https://sunearthday.nasa.gov/2006/multimedia/gallery3.php/>

<https://images.nasa.gov/#/>

https://apod.nasa.gov/cgi-bin/apod/apod_search

You can also perform a Google Image search, but be cautious...not all images are tagged correctly!

*Pro-Tip

Let's say you are searching for a picture of a solar flare. If you enter "solar flare site:.nasa.gov" then Google will only return results from nasa.gov websites. Similarly for "solar flare site:.edu" which will return results only from .edu (university) websites which are often more reliable than other websites.

Pause and Reflect

1. What's the difference between a total and an annular solar eclipse?
2. What is the basic cause of a total solar eclipse?
3. What is the basic cause of a total lunar eclipse?
4. Describe the difference between umbral and penumbral shadows.