

Lunar & Solar Eclipses Webquest

Directions: Refer to the websites given and answer the questions that follow. You can either type in the links yourself, or go to my website www.mrsgardner.net, find the link to this pdf at the bottom of my homepage, and then open the links from there (much easier!).

A. LUNAR ECLIPSES

Go to: <http://www.mreclipse.com/Special/LEprimer.html>

Read Type of Lunar Eclipses.

1. What is the only lunar phase in which a lunar eclipse can occur?

2. Make a sketch of the geometry arrangement of the Earth, Moon and Sun.

Re-read the paragraph that begins, "Now you might be wondering....."

3. Explain why lunar eclipses do not happen every month.

4. List and describe the three different kinds of lunar eclipse.
 - a.
 - b.
 - c.

Read the paragraph titled "Why is the Moon Red During a Total Lunar Eclipse?"

5. Why does the Moon appear to take on a colored hue during an eclipse?

B. SOLAR ECLIPSES

Go to: <http://www.mreclipse.com/Special/SEprimer.html>

6. What is the only lunar phase in which a solar eclipse can occur?

7. Make a sketch of the geometry arrangement of the Earth, Moon and Sun when a solar eclipse happens:

Read the paragraph titled "The Moon's Two Shadows"

8. What are the names of the Moon's 2 shadows, and how do they differ?
 - a.
 - b.

9. What is the difference(s) between total and annular eclipses?

10. How long does the total phase of a total solar eclipse last?

Go to the website below, read the directions, and experiment with the various controls to create your own eclipses.

McGraw Hill Eclipse Interactive

http://highered.mcgraw-hill.com/olcweb/cgi/pluginpop.cgi?it=swf::800::600::/sites/dl/free/0072482621/78778/Eclipses_Nav.swf::Eclipse Interactive

At this website read the "Introduction" and "How to" sections prior to starting

11a. Explain what you learned at this site.