

Name: _____ Date: _____

Class: _____ Teacher: _____

Charting Moon Phases

This exercise requires online Internet access for completion. You do not have to go outside to observe the moon nor are you dependent on clear nights.

Instead, you will go to one or more of the following websites which display the current Moon Phase for each day. Two sites are listed here; each is different in the way they display the information.

First Website: [The Moon's Phase](#)

Second Website: [Star Date Online](#)

Third Website: [Current Moon Phase](#)

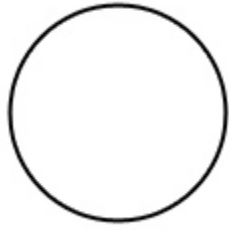
About the websites: The above links will provide you with current moon phases. The first website allows you to put in a specific date in the future to see its phase. The second website will provide you with the current phase and a view of the entire month. The third site defaults to the day you visit the page and shows you the phase and its name for that day. It will also tell you the percent that the moon is lighted. Choose the site that best suits your needs or visit the one that your teacher specifies.

Your teacher will tell you on what date you should begin charting the moon's phases as well as the on which additional dates you should visit the sites (for example, every 4-5 days).

Directions: Follow your teacher's directions, use the online **Moon Viewers** linked above and begin charting on the starting date given to you by your teacher.

1. On the Charting Moon Phases illustrations on page 2 draw the correct Moon Phase by shading in the portion that is DARK .
 - For the *Full Moon* leave the circle blank.
 - For the *New Moon* shade the entire circle.
(If you have a yellow colored pencil, then you can also color in the lighted portion of the moon.)
2. Complete all labels.
3. Continue charting the moon's phases every 4-5 days as directed by your teacher, until all 6 illustrations have been completed for a given lunar month.
4. Answer the questions on page 3 placing your answer on the blanks provided.

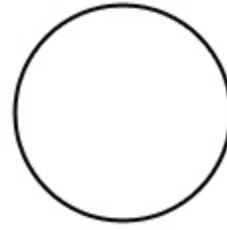
Charting Moon Phases



Date: _____

Time: _____

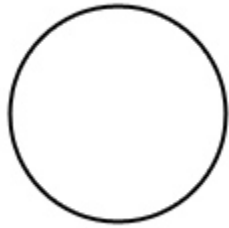
Phase Name: _____



Date: _____

Time: _____

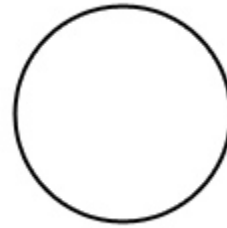
Phase Name: _____



Date: _____

Time: _____

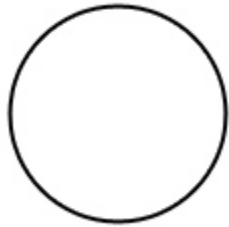
Phase Name: _____



Date: _____

Time: _____

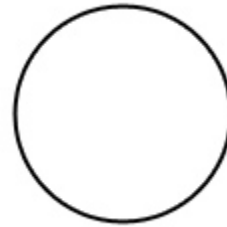
Phase Name: _____



Date: _____

Time: _____

Phase Name: _____



Date: _____

Time: _____

Phase Name: _____

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QUESTIONS

1. How many days does it take for the moon to go through one complete cycle of phases (Full Moon to Full Moon)?

2. During the month that you viewed the Moon, was it present in the Night Sky or Day Sky?

3. How many minutes later does the moon rise each day?

4. What fraction of the moon is *always* illuminated by the sun whether you see it or not?

5. What causes the different Phases of the Moon?

Remember: Light on RIGHT, Moon GROWS bright! (Waxing Phases)

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