

Name \_\_\_\_\_ Grade Level \_\_\_\_\_

Teacher \_\_\_\_\_ School \_\_\_\_\_

### Observing the Changing View of the Moon 2024

Observe the Moon at the same time for 3 or more evenings within a 7 day period. Your three or more observations need to be within only one of the viewing windows below.

1. Pick a spot facing south where you will go view the Moon **at the same time** each night.
2. On the first night draw how the Moon looks in the first circle and write the date and time. The lit side (day) of the Moon should be left white. Color in the dark or night side of the Moon. If it is cloudy, you can't record data, so try the next night. You need 3 nights of seeing the Moon.
3. Next, draw a circle on the east-west line to show where the Moon is in the sky and write the date of the observation.
4. Observe the Moon on the second night from the same spot, **at the same time**. Repeat steps 2 and 3. Did the Moon "move?" Please answer on the back of this sheet.
5. Repeat for at least one more night and **answer the following questions on the back of this sheet.**

- Does the Moon seem to move? If so, how?

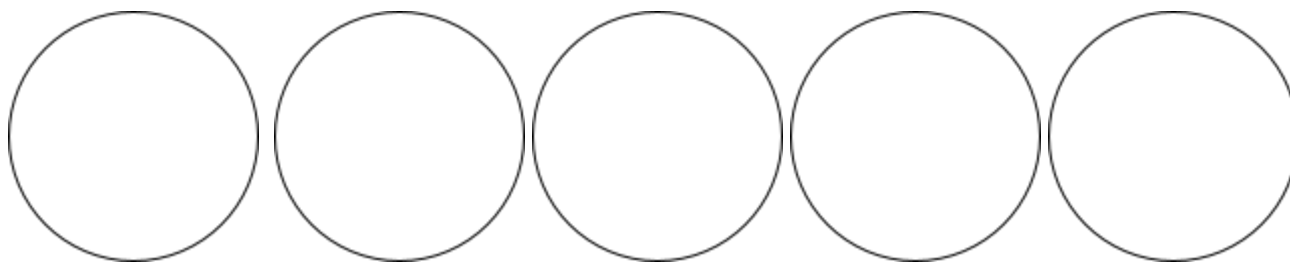
- Does the Moon seem to change shape? Why do you think that?

Pick **just one** of these viewing windows for your 3 observations: **Sept. 9-17, Oct. 8-17, Nov. 6-15**

**Parents** you may contact Mrs. Riggsby with any questions at [sriggsby@bmtisd.com](mailto:sriggsby@bmtisd.com) or 409-617-5100.

These are days in the Lunar Cycle when the Moon is up at a reasonable hour for students to be observing – from about 1<sup>st</sup> quarter to full. You only need to do 3, but may choose to do more.

Time \_\_\_\_\_



Date \_\_\_\_\_

East \_\_\_\_\_ West

You must complete at least 3 sets of data (3 days in ONE of the viewing windows), show the location of the Moon on the chart, and answer the questions above to earn the certificate. **Return to your teacher.** Certificates will be sent to your BISD campus for awards day.