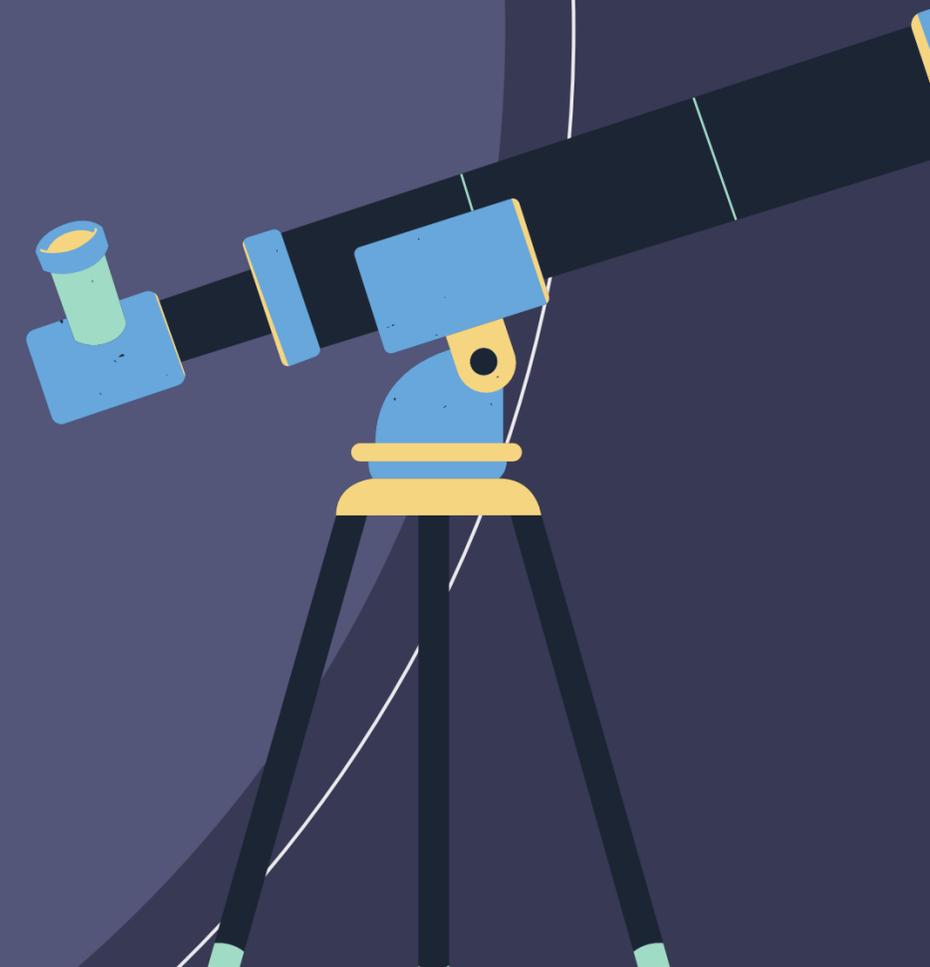


Lesson 39

Phases of the Moon



Phases of The Moon

The Moon has four Phases. These are the new first quarter, full moon, and the last quarter moon. It takes about one week for a month to change from one phase to another.

When the moon is between the sun and the earth, you cannot see the moon; it is called a new moon. During this phase, the moon is not visible from the earth. This is because the side of the moon that is facing us is not being lit by the sun.



About a week after the new moon you see half of the lighted side of the moon. This is called the first quarter moon. A week after the first quarter moon, you can see the whole lighted side of the moon.





This is called the full moon a full moon appears as an entire circle in the sky, on the third week of the moon, you against see half of the full moon's Lighted part. This is called last quarter moon.

Soon the moon disappears again; another new moon appears, when the moon is in between the appearance of the quarter moon and new moon, the moon is called crescent. Crescent moon is less than half-lit.

When the moon is in between quarter moon and the full moon. The moon is called gibbous. Gibbous moon is more than half-lit goes through these eight phases in $29 \frac{1}{2}$ days. The period it takes the moon to complete is called **month**.



Waxing Phases of the Moon

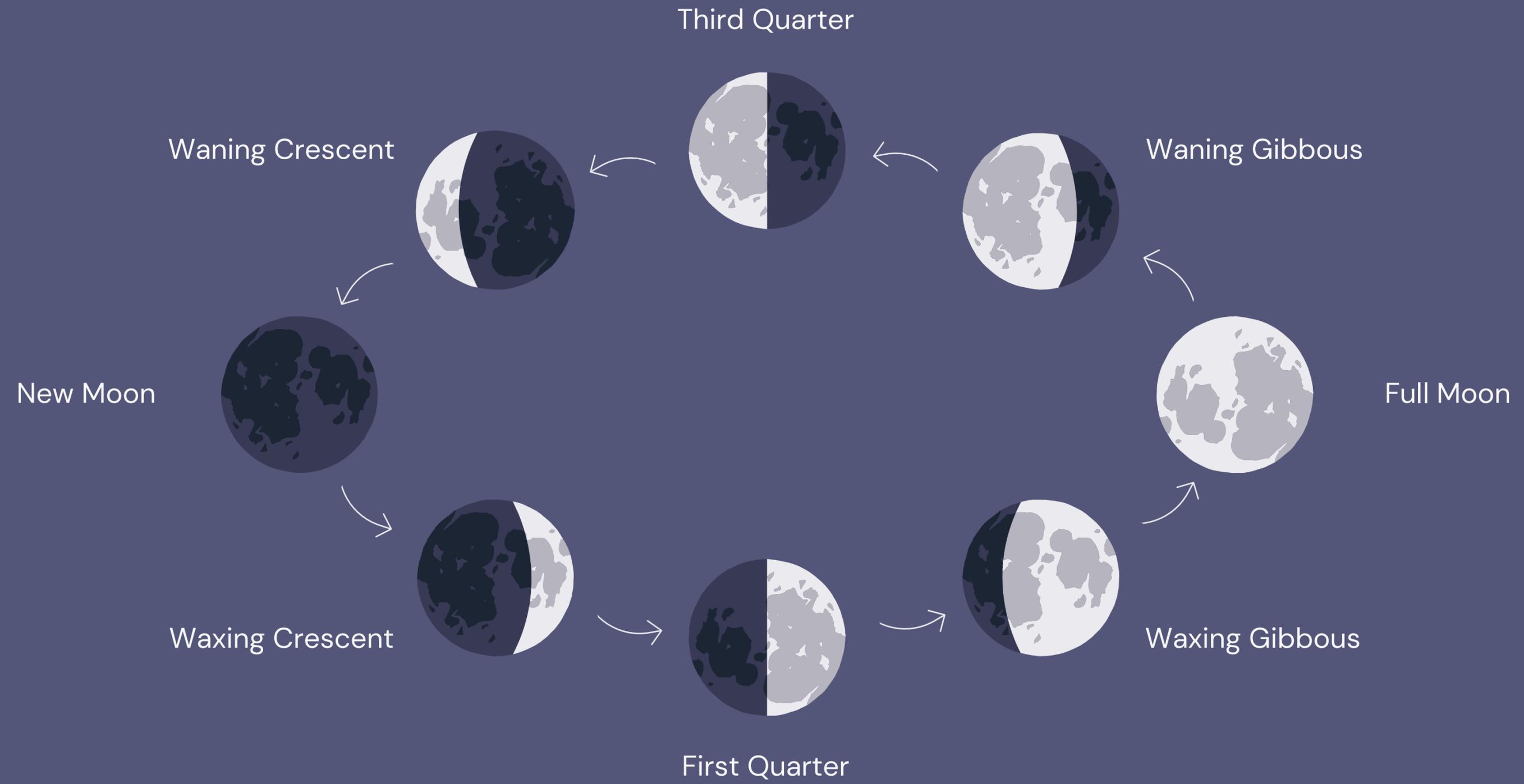
After a new moon, when the moon seems to be growing, it is undergoing waxing phases. As the moon starts to appear in a semicircular form. Waxing crescent start to appear. During the first quarter, half of the moon is lighted and visible.

When most of the portion of the moon is visible in the sky, it is known as waxing gibbous. Then, the whole lighted side of the moon that is visible from Earth is known as the full moon. A full moon appears as an entire circle in the sky.

Waning Phases of the Moon

After full moon, the waning phase of the moon starts. Waning gibbous appears after a full moon. Most of the portion of the moon is visible in the sky but, this time, it gets smaller every night. Then, the last quarter will be seen followed by a waning crescent.

Sunlight



Thank You!

