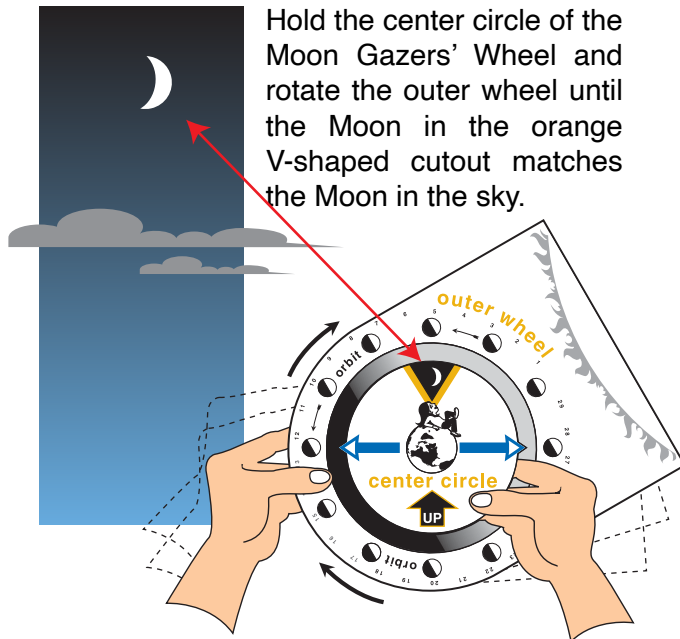


MOON GAZERS' WHEEL

NORTHERN
HEMISPHERE
EDITION

The Moon can be seen from the heart of the brightest city, to the remote reaches of a dark countryside making it the perfect introduction for anyone to discover the wonders of our universe. The Moon Gazers' Wheel encourages users to observe the Moon's changes each month, then graphically explains the celestial movement behind them - helping us understand Earth's relationship with the Moon and Sun.

FIND THE MOON IN THE SKY



THE WHEEL MATCHES THE MOON



In this example, the wheel tells us that the Moon phase in the sky is the **Waxing Crescent**. Keep the wheel set on this phase and you can now look and find other facts about our Moon, like:

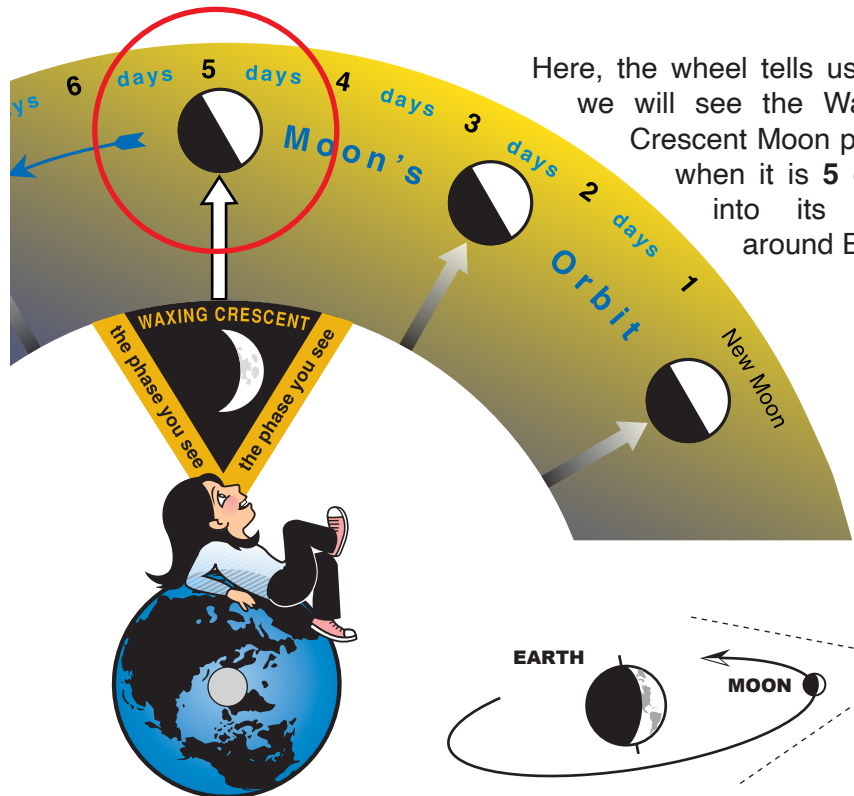
- How it moves in orbit around us
- Why the sunlight on the Moon changes as it moves
- You can also find the times of night or day when we can see these different Moon phases in our sky.

THE MOON'S ORBIT

The Moon orbits around Earth. From Earth we see the Moon phases change as it orbits us. One complete orbit from New Moon phase, back to New Moon phase takes 29.5 days. This orbit is called a Lunar Month.

On the wheel, the outer most ring shows the **Moon's Orbit** encircling Earth. Starting with New Moon, each passing day of the Lunar Month can be seen counted out by number.

Above each Moon phase in the V cutout, an arrow points to how many days of this orbit have passed when we see this phase.



MOON GAZERS' WHEEL

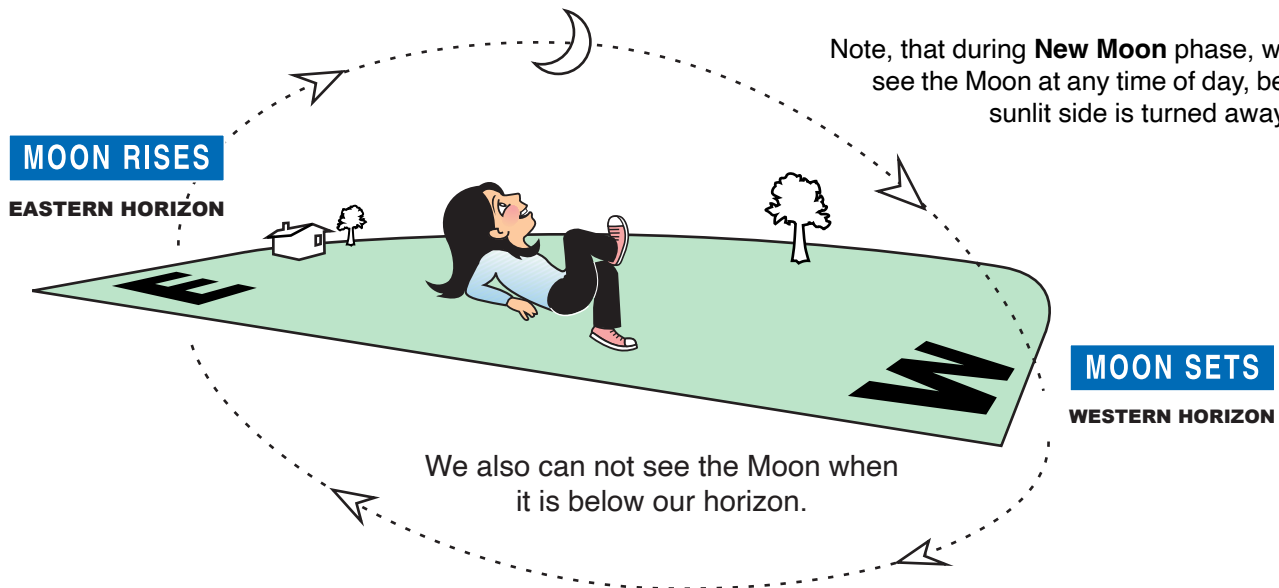
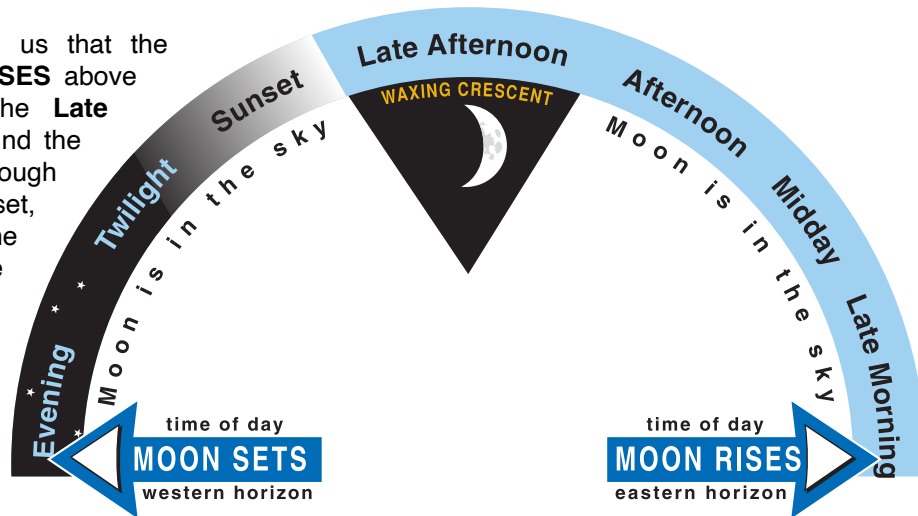
NORTHERN
HEMISPHERE
EDITION

WHAT HOURS OF THE DAY CAN WE SEE THE MOON?

From the time the Moon rises above our Eastern Horizon through the time it sets below our Western Horizon, we can see it in the sky for several hours. On the center circle of the wheel, the two **Blue Arrows** point to the different times of night, or day when the Moon phase rises above the Eastern Horizon and when it sets below the Western Horizon.

Here, the Blue Arrows tell us that the **Waxing Crescent** Moon **RISES** above the Eastern Horizon in the **Late Morning**. Over the hours, find the Moon crossing the sky through midday, afternoon, past sunset, until it **SETS** below the Western Horizon in the **Evening**.

You'll notice if you set the wheel to a different phase, the times when we see the Moon change as well.



Use the Moon Gazers' Wheel to discover how the changing Moon phases tell us many things about Earth's relationship to the Moon and Sun - and, how this connects us to the grand workings of our universe.

*So every time you spot the Moon, at dusk, or dawn, or midday noon, you'll know her by her friendly phase and watch her change through all your days. **Faces of the Moon** • Bob Crelin (Charlesbridge Publishing)*

