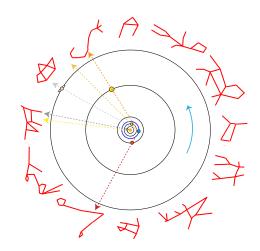
unaided eye, so the are not shown here. sud Meptune are also on the ecliptic, but are not visible to the motion changing based on where they are in their orbits. Uranus tions that divide it, with the planets' sequence and apparent to move slowly along the ecliptic through the Zodiac constellaperspective of Earth, the Sun and the visible planets appear use and set in sequence along the ecliptic. From the sphere appears to rotate, and the Sun, Moon, and planets sky (the ecliptic). As the Earth rotates daily, the celestial Sun, Moon, and planets in nearly one line across the the Earth in close to the same plane. So we see the same plane (the ecliptic plane), and the Moon orbits and the visible planets orbit the Sun in nearly the through the classical idea of the ecliptic. Earth The best way to understand the night sky is

The Ecliptic



below the ecliptic plane so it will not block the Sun. but it will not be visible in the Sun's glare. It will be slightly the night sky. It will be near the Sun in the daytime sky, the Sun and so it will set with the Sun and not be in orbit around Earth will be between the Earth and February 4: New Moon. The Moon in its monthly

February 2019 Night Sky Highlights

Constellations

Constellations are groups of stars in memorable shapes that divide up the sky in regions. The modern system is based on ancient Babylonian and Greek constellations. Most important are the 12 Zodiac constellations (mostly animals - hence the "zoo" of Zodiac) that divide up the ecliptic path of the sun and planets into 12 segments of 30 degrees each. The Zodiac "signs" traditionally reflect the constellation that the sun is in during that month, but due to Earth's 22,000-year wobble cycle the Zodiac is now out of sync by about a month. The imaginary lines connecting stars into constellations are not always very evocative of the constellation names, so the famous children's illustrator H.A. Rey ("Curious George") redrew them in the 1950s and many of his versions are now standard.

and will appear a little larger than usual. Moon will be near its perigee, so it will be a few percent closer than usual Full Moon rises just as the Sun sets, and it sets just as the Sun rises. The light back on Earth. Since it is opposite the Sun, as the Earth spins the the Sun and so will it appear as a full disk and will reflect the most February 19: Full Moon, Supermoon. The Moon will be opposite

that is visible just after sunset a few days later.

Iraditionally "New Moon" meant the slight Crescent Moon



Sun and visible planet positions