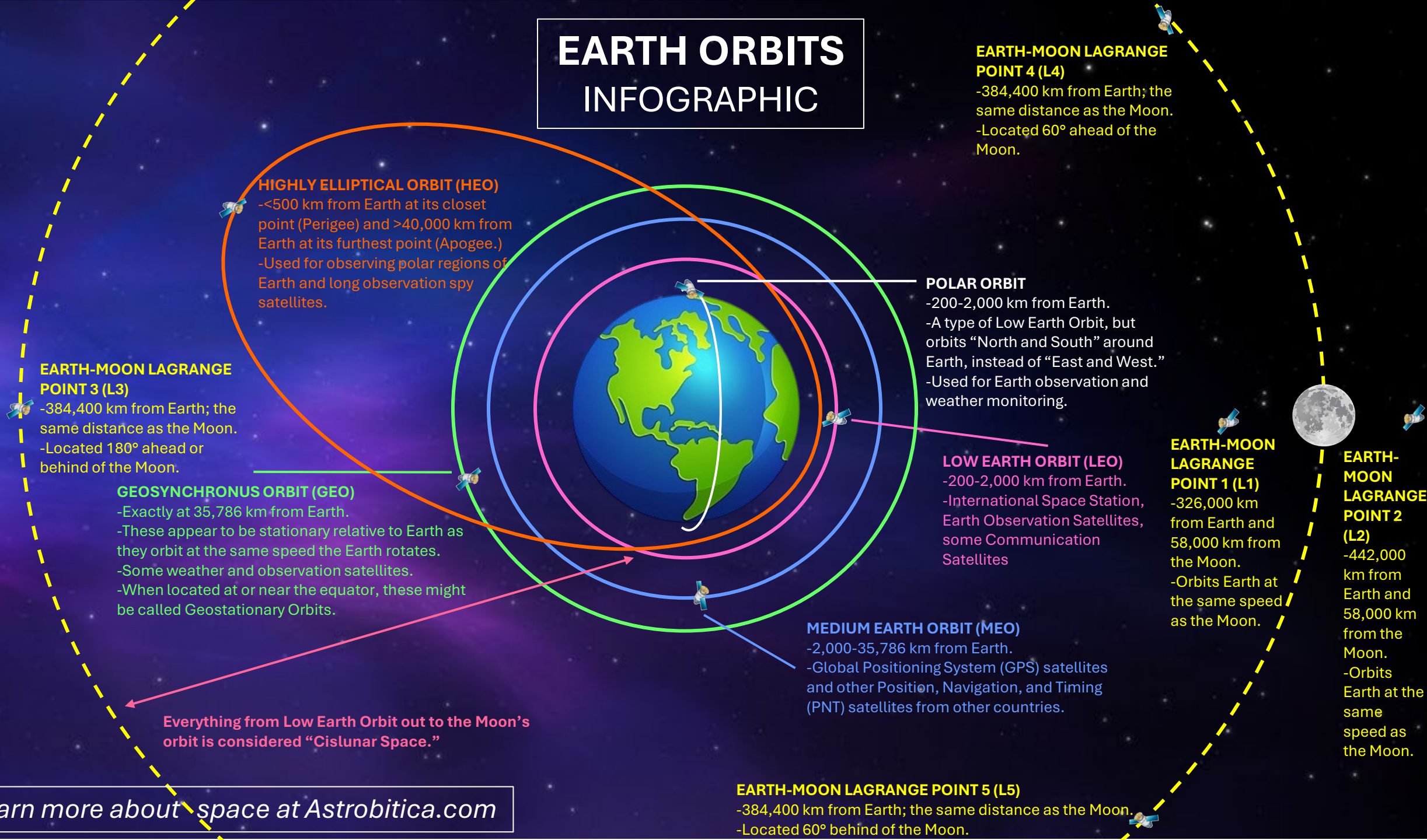


EARTH ORBITS INFOGRAPHIC



EARTH-MOON LAGRANGE POINT 4 (L4)

-384,400 km from Earth; the same distance as the Moon.
-Located 60° ahead of the Moon.

HIGHLY ELLIPTICAL ORBIT (HEO)

-<500 km from Earth at its closet point (Perigee) and >40,000 km from Earth at its furthest point (Apogee.)
-Used for observing polar regions of Earth and long observation spy satellites.

POLAR ORBIT

-200-2,000 km from Earth.
-A type of Low Earth Orbit, but orbits "North and South" around Earth, instead of "East and West."
-Used for Earth observation and weather monitoring.

EARTH-MOON LAGRANGE POINT 3 (L3)

-384,400 km from Earth; the same distance as the Moon.
-Located 180° ahead or behind of the Moon.

GEOSYNCHRONOUS ORBIT (GEO)

-Exactly at 35,786 km from Earth.
-These appear to be stationary relative to Earth as they orbit at the same speed the Earth rotates.
-Some weather and observation satellites.
-When located at or near the equator, these might be called Geostationary Orbits.

LOW EARTH ORBIT (LEO)

-200-2,000 km from Earth.
-International Space Station, Earth Observation Satellites, some Communication Satellites

EARTH-MOON LAGRANGE POINT 1 (L1)

-326,000 km from Earth and 58,000 km from the Moon.
-Orbits Earth at the same speed as the Moon.

EARTH-MOON LAGRANGE POINT 2 (L2)

-442,000 km from Earth and 58,000 km from the Moon.
-Orbits Earth at the same speed as the Moon.

MEDIUM EARTH ORBIT (MEO)

-2,000-35,786 km from Earth.
-Global Positioning System (GPS) satellites and other Position, Navigation, and Timing (PNT) satellites from other countries.

Everything from Low Earth Orbit out to the Moon's orbit is considered "Cislunar Space."

EARTH-MOON LAGRANGE POINT 5 (L5)

-384,400 km from Earth; the same distance as the Moon.
-Located 60° behind of the Moon.

Learn more about space at Astrobitica.com