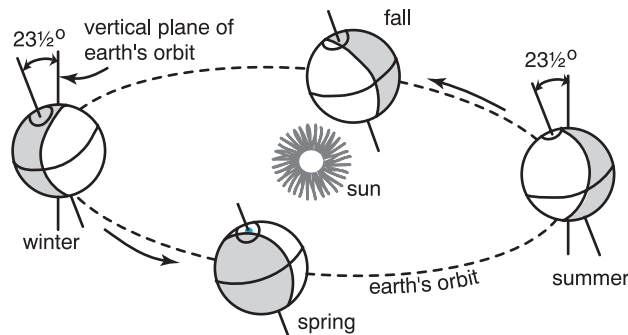


Auset (Isis) and *Ausar* (Osiris), which was best described by Diodorus of Sicily, *Book I, 11. 5-6*,

These two neteru (gods), they hold, regulate the entire universe,

The twin actions of the sun and moon—on earth—is the cause of precession. The moon and the sun both tug, gravitationally, on the equatorial bulge of our earth. The moon tries to pull the bulge into the plane of its orbit around the earth, and the sun tries to pull this bulge into the plane of the earth's orbit around the sun. As a result, the earth does not spin true upon its axis, but more like a slightly off-center spinning top. The combined result of these two tendencies causes the axis of the earth to make a double cone in space, centered on the center of earth, a sort of wobble. This motion is called *precession*.



The earth rotates from west to east on its polar axis and revolves about the sun in an elliptical orbit with the sun at one focus of the ellipse. It completes one revolution in a period of 365.2564 days. The inclination of the earth ($23\frac{1}{2}$ degrees with the perpendicular to the orbital plane), combined with its revolution around the sun, causes the lengths of day and night to change and also causes the different seasons [shown above].