Bell Ringer Day #4

What are some things you should do/where should you go if you are absent?

Celestial Sphere

Zenith: Directly overhead (Date - Time)
# Star Walk
Time

Synodic Time

Solar Day - 24 hr.
Earth - 1 rotation.

Sidereal Time

Based on Distant Stars. Constellations.

Year

365 days

Egyptians: 365 days (off)

Caesar: Leap year 4 years

Gregorian: Leap year every 4 yrs, except centuries NOT divisible by 4.
Ex: 1900 - Not a leap yr.
4000 - 2000 - Does have leap year

Julian Date: Days 5, not years.
Jan 1, 4713 BCE @ Noon @ Greenwich, England.

Today's Julian Date (8/30/2016)
8:00 am 2457630.833333
11:30 am 2457630.979167
1:20 pm 2457631.055556
Pseudoscience
Belief or practice that is presented as a scientific process but does not follow the scientific method
Often will have a claim with little to no evidence to back it up

Astrology
What claims does Astrology make? Is there evidence to back it up?

Zodiac Constellations

Literally means: Circle of Animals.

Ecliptic: Path of Sun/Planets in the Sky.
Precession:
- "Wobbly Earth"
- The path the N.P. takes as the Earth spins on its "tilt"
- ≈ 13,000 years Vega will be the North Star
- Some signs have changed
- Some are missing

Missing Astrology Sign: Orphius (№ 13) is missing
"Wobbly Earth Means Your Horoscope is Wrong"
LiveScience January 2011

Write a 1-paragraph (at least 5 sentences) summary and reaction of this article and your reaction to it. What did you learn? Did this change your view of astrology? Does this add to the claim that astrology is a pseudoscience?