**Astronomy Assessment and TPS Questions:**

**Solar vs. Sidereal Day-Ecliptic**

**Use the drawing below to answer the next four questions.**

1. If you could see stars during the day, the drawing above shows what the sky would look like at noon on a given day. The Sun is near the stars of the constellation Taurus. Near which constellation would you expect the Sun to be located at *sunset* on this day?

a. Pisces

1. Taurus
2. Aries
3. Cancer
4. Gemini
5. If you could see stars during the day, the drawing above shows what the sky would look like at noon on a given day. The Sun is near the stars of the constellation Taurus. Near which constellation would you expect the Sun to be located at *6am* on this day?
	1. Pisces
	2. Aries
	3. Cancer
	4. Taurus
	5. Gemini
6. Which constellation will be highest in the sky 6 hours after the time shown in the drawing above?
	1. Pisces
	2. Cancer
	3. Gemini
	4. Taurus
	5. Aries
7. Which constellation in the drawing above will be highest in the sky at sunset?
	1. Pisces
	2. Gemini
	3. Taurus
	4. Aries
	5. Cancer
8. In general, individuals get their horoscope birth signs from
9. the constellation that is overhead at midnight when they are born.
10. the constellation that is hidden by the Sun when they are born.
11. the constellation that is most like their personalities.
12. tracking the changing positions of the planets.
13. Which of the following descriptions of Zodiacal constellations best defines the birth sign of a person?
* Scorpius is in the east at sunset.
* Cancer is high in the southern sky at sunrise.
* Libra is on the eastern horizon at noon.
* Taurus is on the western horizon at sunset.
1. Taurus
2. Libra
3. Cancer
4. Scorpius
5. Based on the locations of the constellations described below, what would be the sign of a person born on this day?
* Taurus is high in the southern sky at sunset
* Aquarius is on the eastern horizon at sunrise.
* Scorpius is on the western horizon at noon.
* Leo is high in the southern sky at midnight.
1. Taurus
2. Aquarius
3. Scorpius
4. Leo



1. Which of the following is the best ranking for the constellations shown above (A - E) in the order that they will appear from highest in the sky to farthest below the horizon, 3 hours before the time shown.

C, D=B, A=E

A, B, C, D, E

D, C=E, B, A

E, D, C, B, A

B, A=C, D, E