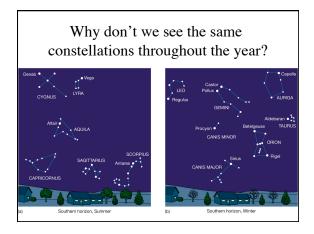
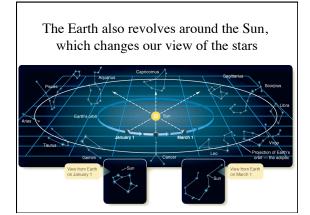
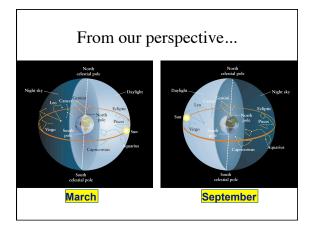
Mastering Astronomy Assignment 3

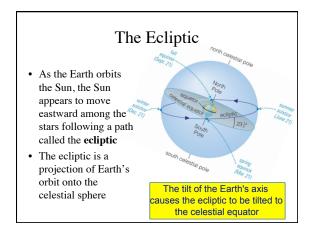
- Due Feb 17, 11 am
- Read Sections 2.1, 2.2 and S1.2





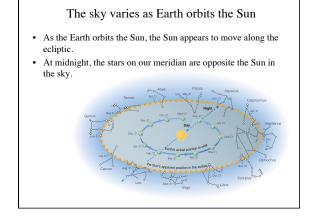






Earth circles the Sun in 365.25 days and, consequently, the Sun appears to go once around the ecliptic in the same period. If we could see background stars in the daytime, our Sun would

- a) appear to move against them at a rate of 360° per day.
- b) appear to move against them at a rate of about 15° per day.
- c) appear to move against them at a rate of about 1° per day.
- d) remain stationary against these stars.





Zodiac

The 13 Zodiacal constellations that our Sun covers-up (blocks) in the course of one year (used to be only 12)

Aquarius

	•	
•	Pisces	
•	Aries	

Virgo

• Taurus

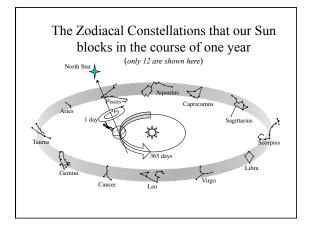
• Gemini • Cancer

Scorpius
Ophiuchus
Sagittarius
Capricornus

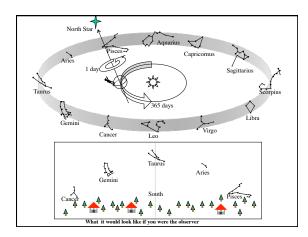
• Leo • Libra

Table 1-1 The 13 Constellations of the Zodiac			
Constellation	Dates of Sun's Passage Through		
Pisces	March 13-April 20		
Aries	April 20-May 13		
Taurus	May 13–June 21		
Gemini	June 21–July 20		
Cancer	July 20–August 11		
Leo	August 11–September 18		
Virgo	September 18–November 1		
Libra	November 1–November 22		
Scorpius	November 22–December 1		
Ophiuchus	December 1–December 19		
Sagittarius	December 19–January 19		
Capricorn	January 19–February 18		
Aquarius	February 18-March 13		



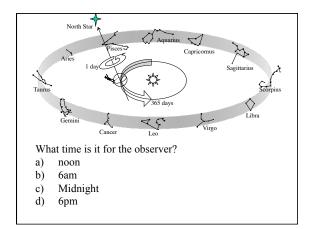




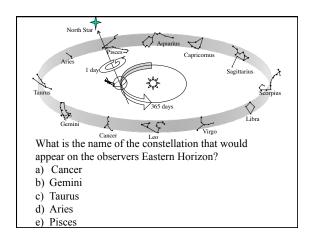


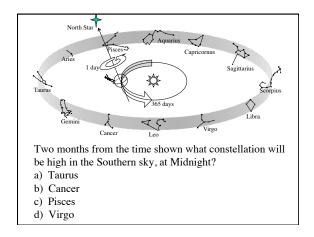
In-class Activities: Seasonal Stars

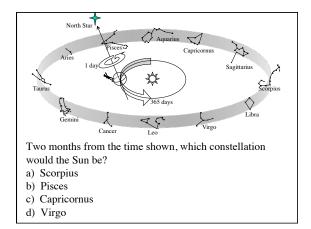
- Work with a partner!
- Read the instructions and questions carefully.
- Discuss the concepts and your answers with one another. <u>Take time to understand it now</u>!!!!
- Come to a consensus answer you both agree on.
- If you get stuck or are not sure of your answer, ask another group.
- If you get really stuck or don't understand what the question is asking, ask me.



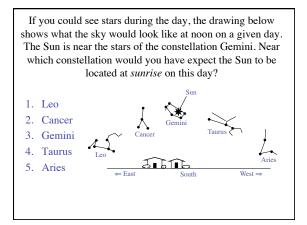




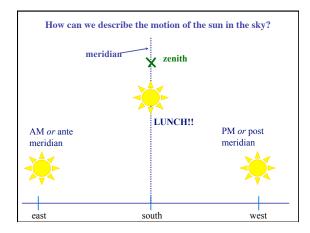








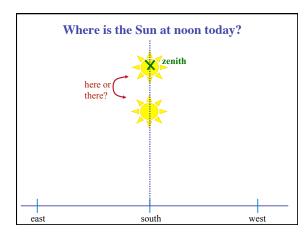




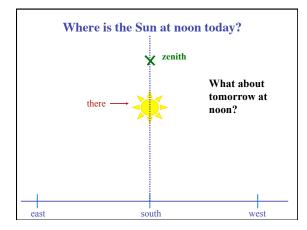


Noon

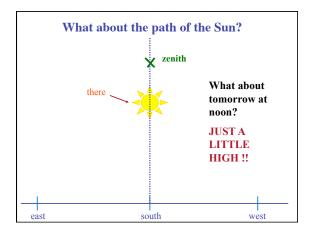
- Noon is the precise moment when the Sun is highest in the sky (on the meridian) and the sundial casts its shortest shadow.
- Sun highest in the sky \neq clocks read 12 pm



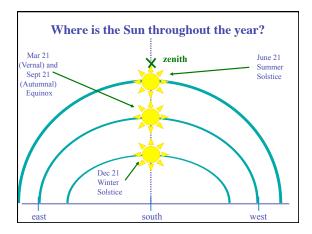




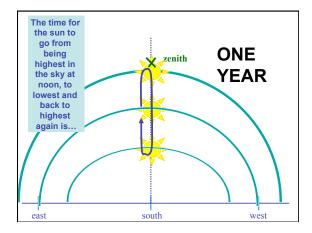








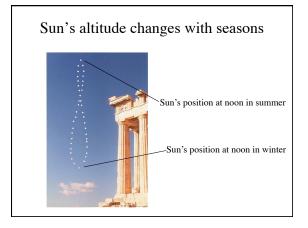












In-class Activities: Path of the Sun

- Work with a partner!
- Read the instructions and questions carefully.
- Discuss the concepts and your answers with one another. <u>Take time to understand it now</u>!!!!
- Come to a consensus answer you both agree on.
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