

Name:

# Astronomy 2010: Example Exam Chapters 1-7

## Real Exam date 28 September 2005

Each question is worth 4 points.

1. Make a diagram showing why here in Detroit we cannot see all the stars in the sky.
2. What is the ecliptic? Why does it not correspond to the celestial equator?
3. What is the zodiac?
4. Choose some person prominent in the history of astronomy and describe their contribution.
5. What is an epicycle and why was it invented? A diagram might be useful.
6. What are Kepler's three laws of planetary motion?



14. How are we able to use the black lines on stellar spectra to measure the velocity of stars?
  
15. What are the main goals of astronomical instruments?
  
16. What are the key properties of an image of an celestial object?
  
17. How many planets are there in the solar system?
  
18. Name in order from the distance from the sun the four gas giant planets?
  
19. Which planet is in a class by itself from all the others?
  
20. What do we call the collection of tiny planetoids that are concentrated between the orbits of Mars and Jupiter?

