

Homework #7  
AS101 Summer 2006  
Dr. Withers

Assigned: 2006.06.06  
Due: 2006.06.07, start of class

1) Plan how you will study for the mid-term exam over the next seven days

2) Example of a multiple choice question (25 pts)

Which of these discoveries was made by Galileo?

- A) The planets orbit the Sun, not Earth
- B) Invention of the telescope
- C) The law of gravity
- D) Four moons of Jupiter

3) Example of question with a one or two word answer (25 pts)

Collectively, Mercury, Venus, Earth, and Mars are called \_\_\_\_\_

4) Example of question with an answer that is longer than a few words (25 pts)

Similarities between cameras and eyes were discussed in class. What three parts of the eye were talked about, and what did each of those parts do to light?

5) Example of calculation/equation question (25 pts)

Hot objects emit thermal radiation. The intensity of the thermal radiation peaks at some wavelength. What equation relates that wavelength to the object's temperature? What is the peak wavelength of thermal emission for a 300 K planet?