



Bellwork for Week 19: May 17-21, 2004

Bell #82: (1) List the different electromagnetic wavelengths in order from AM Radio to Gamma Rays.

(2) What information is determined by using a spectroscope?

- (a)
- (b)
- (c)
- (d)

(3) Compare the sound of a car horn moving toward you to the same car horn moving away from you. How are the sounds different?

Similar:

Different:

(4) What did Edwin Hubble discover about light received from objects in the Universe?

(5) How did Hubble interpret the Red Shift in the Universe?

Bell #83: (1) List three astronomers and their discovery/accomplishment.

- (a)
- (b)
- (c)

(2) Sketch the geocentric model, the heliocentric model and the current solar system model.

Bell #84: (1) List the nine planets in their traditional order.

(2) How are the inner planets **different** from the outer planets?

Inner

Outer

Bell #85: (1) List three astronomers and their discovery/accomplishment.

(2) Sketch the geocentric model, the heliocentric model and the current solar system model.

Bell #86: (1) What happens to the speed of a planet as it approaches perihelion? aphelion? What does this cause to happen to the seasons?

(2) What are two causes for the differing gravitational force between two objects?

(3) Draw an ellipse with a high eccentricity and one with a low eccentricity.

(4) What is the speed of light?

(5) What is an AU? parsec? LY?