Venus Observation Activity

(November 1 or 3, 2005—Venus is close to its greatest eastern elongation)

(1) Draw a simple horizon view below showing the *location*, *altitude*, and *phase* of Venus at the time you observed it. Also show where Mars should be at this time (if not too hazy).

E **S** **W**

(2) Show the location of Venus and Mars on your diagram sometime later this evening, perhaps after you get home (if not too late). Indicate the time, also the altitude if possible.

(3) Refer to the class handout showing morning and evening visibility of Venus along with its various phases as viewed from Earth. Then access a map (top view) of the inner solar system* for the dates given below. For each date, show (approximately) where Venus would appear in the sky, and what phase. Indicate whether visible in the *morning* or *evening*:

Mid December, 2005:

E **S** **W**

Early February, 2006:

E **S** **W**

Mid March, 2006:

E **S** **W**

*****Good maps are available in the Voyager Skygazer program. Pull down **Explore---Solar system.** Or log on to www.heavens-above.com and find "Solar System Chart" under Astronomy