

Astronomy 230 Fall 2005

Homework #7

Due in Class: Friday, Nov. 4

Note: This homework should be typed. Your response should be weighted with the number of points assigned.

1. (10 points) Choose a planet or moon in our solar system. Generally discuss the object (i.e. structure, atmosphere, availability of solvents, etc.).
2. (20 points) If life exists on that planet or moon, how would it function and where might it live? Explain your answers.
3. (15 points) How would you design a space mission to detect that organism?
4. (15 points) Would you expect that organism to use DNA/RNA or proteins? Explain.