

**Astronomy 230 Fall 2005**  
**Homework #6**  
Due in Class: Friday, Oct. 14

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

1. (5 points) What are the two crucial polymers for life on Earth?
2. (30 points) What roles do they play in life on Earth? Be specific, with examples.
3. (10 points) What monomers make up those polymers? Be specific.
4. (20 points) Explain what is meant by the “code of life”? Be specific, with examples.
5. (35 points) Imagine an advanced civilization on another planet. Compare life on Earth to that planet. What similarities or differences would you expect?