HW6. Multicellular Design

| Name | _ Due Friday 3/11/2011 |
|--|---|
| Names of other group members: | |
| Please remember that these questions are in should meet before completing the assignment Independently as each other. | • • |
| "I pledge on my honor that I have not give assistance on this assignment/examination | |
| Signature: | |
| 1A. Diagram the life cycle of a typical unicellul produces haploid vegetative cells and the sexu Be certain to indicate the ploidy level (1n or 2 to Figure 29.20A on p. 613 in Freeman for assipart of this figure represents the typical protisthe bottom part, because it is an unusual diplo | nal cycle including meiosis and fertilization. n) of all cells in your diagram. You can refer istance. The dinoflagellate cycle on the top st life cycle. (Do not use the diatom cycle on |
| 1B. What are the roles of the following proces | ses in the life cycle in 1A? (3nts) |
| 1B1. Mitosis: | ses in the me cycle in 171. (Spts) |
| 1B2. Fertilization: | |
| 1B3. Meiosis: | |
| 2. Describe several constraints acting on unice | ellular organisms that limit their sizes. (3pts) |

