
Name

UA Net ID

**Biology 182: Huxman-Schaffer Section
In-Class Quiz 3/8/2007.**

Answer three of the following four questions by circling the most correct alternative. If you answer more than three, we will grade the 1st THREE answers.

1. The property by which organisms buffer their internal environments against fluctuations in the external environment is called

- a. ecdysis.
- b. homeostasis.**
- c. neotony.
- d. paedomorphosis.
- e. symbiogenesis.

2. The evolution of multicellularity presents several problems and a number of interesting advantages in organismal functioning which include:

- a. The division of labor among cell types.
- b. The ability to increase surface area for environmental exchange.
- c. The ability to buffer physiological processes in the face of a changing environment.
- d. All of the above.**
- e. None of the above.

3. The Embryophyte clade contain

- a. All photosynthetic organisms, including prokaryotes and eukaryotes
- b. A group of organisms that include both land plants and all algae.
- c. All groups of terrestrial plants except the non-tracheophytes plants.
- d. Both a and c.
- e. None of the above.**

4. Gymnosperms and angiosperms have the following shared-derived trait (or traits) that differentiate these groups from lower plants:

- a. The 'seed'.
- b. A reduction in the gametophyte generation.
- c. A dependence of the gametophyte on the dominant sporophyte.
- d. All of the above.**
- e. None of the above.