

# Kentucky Class Notes

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**BIO 148 Osterhage**  
**Spring 2012**  
**Test 1**

BIO 148

Jennifer Osterhage

1/11/12

- Class was given a flashcard to write about themselves
- Introduced herself to the class
- Professor went over syllabus
  - A. How to register online
  - B. Register clicker number
- Told us to write down the dates of our exams and the time of our classes
- What is Biology?
  - A. The study of life
- What are some shared characteristics of life?
  - A. Response to stimuli
  - B. Made up of cells
  - C. All organisms use DNA (deoxyribonucleic acid) to store genetic information
  - D. Use ribosomes to synthesize proteins
  - E. Proteins are made up of amino acid monomers (about 20 of them)
  - F. All organisms use the same genetic code (DNA) to code for the amino acid sequence of proteins
- Evolution
  - Explains the many patterns of shared characteristics across life
  - Charles Darwin saw unusual combinations of animal species on the Galapagos Islands
    - Observed each island had its own species of animals that differed from related animals on other islands

1/13/12

What is the nature of biological diversity and how did it arise?

- Shared characteristics
  - A. Energy – organisms interact with the environment to acquire and use energy and matter
  - B. Example: For a tree
    - Matter that goes in: CO<sub>2</sub> (carbon dioxide and nutrients)
    - Matter that goes out: O<sub>2</sub> (Oxygen) and biomass



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