

EVOLUTION BROCHURE

GROUP 1

1. Define Evolution
2. Compare and contrast Darwin and Lamarck. Include the main ideas of natural selection.
3. Describe the ideas of Lyell, Wallace, and Malthus.

GROUP 2

4. For the following evidences of evolution, address:

Topic	Describe what it is (a picture may help)	How is this an example of evolution?
Fossils – include what is relative and radioactive dating		
Homologous Body Structures		
Analogous Body Structures		

GROUP 3

4. For the following evidences of evolution, address:

Topic	Describe what it is (a picture may help)	How is this an example of evolution?
Embryological Similarity		
Coloration: -camouflage -mimicry -warning color (aposematic) -ambig. Of position		

GROUP 4

4. Geologic Timeline
 - a) Major eras/periods and defining characteristics
 - b) Difference between gradualism vs. punctuated Evolution.

GROUP 5

5. Theories of the Origin of Life: explain each of these
 - a. earth's formation
 - b. 1st organic compounds
 - c. Role of free oxygen
 - d. Endosymbiotic Theory
 - e. Role of sexual reproduction and multicellularity

GROUP 6

6. Patterns of macroevolution: Explain each of these
 - * Extinction
 - * Adaptive Radiation
 - * Convergent Evolution
 - * Coevolution
 - * Punctuated Equilibrium