

16.3 Evaluating Darwin's Ideas (10/27/16) Guided Notes

Learning Objective: I can describe the types of evidence Darwin proposed to prove his theory of evolution.

1. In 1844 Charles Darwin published his ideas about evolution and natural selection in a book called

2. Darwin's book included a thorough presentation of _____ that living species evolved from organisms that lived in the past.

His evidence included the study of:

3. _____ - the remains of an organism that lived long ago, most commonly preserved in sedimentary rock; studying fossils and living beings can reveal a pattern of gradual change from the past to the present

4. _____ - the study of the locations of organisms from around the world; can reveal similarities between organisms and their environments, evidence that similar environments shape the evolution of organisms in similar ways

5. _____ - the study of the development of organisms from an embryo; can reveal patterns and structures that can prove that organisms share a common ancestor.

6. _____ - body structure; observation of the anatomy of an organism to another species can show relatedness