

**A105/A303 Summer II 2007 Bob Mucci Quiz # 4 Your name goes at the bottom ONLY**

Multiple choice: circle the letter of the ONE best answer:

**1. Which is NOT part of Lamarck's theory?**

- A. Spontaneous generation of new organisms continues today
- B. Most fossils have become extinct with no living descendants
- C. Organisms strive for perfection
- D. Animals change in the right environments by using and enlarging some organs at the expense of others
- E. Offspring can inherit characteristics that their parents acquired during their own lifetimes

**MATCH ONE TO ONE (every name is used once and only once)**

Carolus Linnaeus	Jean Baptist de Lamarck	James Hutton	Herbert Spencer
Thomas Malthus	John Ray	Comte de Buffon	Boucher de Perthes
Charles Lyell	James Ussher	George Cuvier	

\_\_\_\_\_ invented the concept of genus and species, wrote *The Wisdom of God Manifested in the Works of Creation*. This Reverend died in England in 1705

\_\_\_\_\_ estimated the earth was 70,000 years old or older, said that similar animals may have come from a single ancient species, and that species may change when they migrate. Died in Paris, 1788.

\_\_\_\_\_ estimated that the earth was created in 4004 bc. This Irishman died in 1656

\_\_\_\_\_ said that thunderstones were ancient stone tools made by humans; died France, 1868

\_\_\_\_\_ studied sea worms and mollusks, came up with a theory of evolution that was mostly wrong but included the correct idea that environmental change was responsible for evolutionary change in animals, learned uniformitarianism from his teacher/employer Buffon; died in Paris in 1829

\_\_\_\_\_ wrote *On Population*, about how all species tend to over-reproduce, which leads to a struggle for survival; this explained why there were starving poor people in England; died in England 1834.

\_\_\_\_\_ gave each species a binomial name, and constructed a taxonomy based on phenetic characters in a hierarchy of kingdom, class, order, family, genus, species. Died in Sweden, 1778

\_\_\_\_\_ geologist who used the principle of uniformitarianism to say that the earth was old without a vestige of a beginning; inspired Buffon and Lamarck; died in Scotland, 1797

\_\_\_\_\_ Father of paleontology, last scientist to promote catastrophism, created name "dinosaur"; died in Paris, 1832

\_\_\_\_\_ more modern geologist who showed that you did not need catastrophism to explain strata; his detailed uniformitarianism inspired Darwin and Wallace; died in England, 1875

\_\_\_\_\_ not in your readings, this sociologist said that societies evolve, in fact everything was a result of evolution; was responsible for the idea we call Social Darwinism; died in England, 1903.

**8. What do we mean by uniformitarianism?**

**9. Name one person above who did not believe in uniformitarianism \_\_\_\_\_**

**10. The textbook suggests that the Indians in America had found fossils; explain.**

FIRST NAME \_\_\_\_\_ LAST NAME \_\_\_\_\_

**BONUS QUESTION: describe one thing you learned from the little Bernard Wood book that was not in the lecture nor other readings.**