

Test Questions for UFOP Basic Paleontology I: Ken & Michelle Fleck 2/26/2010

4a. Evolutionary Theory

1, List two common names for Darwin's theory.

[Natural Selection, Survival of the Fittest]

2. Macroevolution describes evolution _____ species level.

A. above B. below [A]

4b. What is a fossil?

1. What type of fossil forms when a depression in sediment displays the exterior of an organism? [external mold]

2. Invertebrate fossils are usually preserved as _____.

[Impressions, carbon films]

4c, d, e. History of Life

1. The Geologic Time Chart is based on: [a]

a. Life forms b. plate tectonics c. radiometric dating

2. The earliest known fossils are: [d]

a. Bones b. teeth c. shells d. stromatolites

3. The "Cambrian Explosion" refers to: [c]

a. A major proliferation of life on Earth

b. A period of intense volcanic activity

c. A meteor impact

4. About what percentage of species were affected by the mass extinction at the end of the Paleozoic Era? [d]

a. 25% b. 50% c. 75% d. 90%

5. Mammals evolved during which period? [c]

a. Devonian b. Pennsylvanian c. Triassic d. Cretaceous

6. Which was probably NOT related to the extinction of Quaternary megafauna? [b]

a. Climate change b. meteor impact c. interaction with humans