

multiple choice: circle the letter of the ONE best answer.

1. We now speak of nonhuman primates having culture; which ONE of these is mostly an instinctive behavior and hence not evidence for culture among primates?

- A. Chimps learning to probe ("fish") for termites by watching their mothers.
- B. Young gorillas learning to knuckle-walk
- C. Young females learning mothering skills from other females in the wild – and in zoos now, too
- D. Japanese macaques washing sand off of sweet potatoes fed to them
- E. Orangs in some areas using tools, but not in other areas.
- F. Chimps using stones to crack nuts – only in some regions.

2. Which is NOT a partial explanation for the presence of sexual dimorphism in a species?

- A. It happens whenever males fight for access to females.
- B. It happens when smaller females can have more and healthier babies
- C. It happens when animals pair bond for life monogamously
- D. It happens when expendable large males are needed for defense
- E. It happens when female opt to mate with larger males.

3. The concept that the biological and geological processes that affected and shaped the earth in the past are still in operation today (and vice versa), is called:

- A. Catastrophism
- B. Spontaneous generation
- C. Uniformitarianism
- D. Inheritance of acquired characteristics
- E. Stratification
- F. paleontology

4. Lamarck: Which is NOT one of the general points of Lamarck's theory of evolution?

- A. Plants and animals are adapted to their environments, that is, they change to better fit in.
- B. Today's animals are descended from different ancient marine invertebrates
- C. Individual animals change by striving — using some organs more than their ancestors did, some less
- D. Changes are passed on to your descendants; Inheritance of Acquired Characteristics
- E. This all happened in the 6000 years since the earth began

Match the NAME to something he might have said; it is a one to one matching (all used once)

Jean-Baptiste Lamarck
Herbert Spencer

Isaac Newton
James Hutton

Jacques Boucher de Perthes
Erasmus Darwin

- _____ "The world is older than you think: no vestige of a beginning, no prospect of an end"
- _____ "I analyze human societies as evolving systems, with "survival of the fittest.""
- _____ "These teardrop-shaped Thunderstones are the work of humans, not lightning"
- _____ "If you build up big muscles, your children will be born more muscular"
- _____ "I wonder if my grandson will read my poems about evolution"
- _____ "The universe runs by Natural Laws; my Law of Motion is one"

Match the NAME to something he might have said; it is a one to one matching (all used once)

James Ussher
Comte de Buffon

Charles Lyell
Thomas Malthus

Carolus Linnaeus
Georges Cuvier

- _____ "population tends to exceed the food supply; this leads to struggle, misery, vice, poverty"
- _____ "catastrophic events (seen in geological features) caused the extinction of many animals"
- _____ "I have written 44 volumes that contain everything; animals change when they migrate"
- _____ "I have named all the plants and animals, and classified them by physical characteristics"
- _____ "I have redone Hutton in great detail, and uniformitarianism wins over catastrophism"
- _____ "God has told us how old the earth is; look at Genesis and make the right calculations"

PRINT YOUR FIRST NAME _____ Last Name _____

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BONUS QUESTION: Answer this on the back: How do we know that the Thunderstones that farmers find in fields after a storm are the result of human handwork and not made by lightning striking the rocks there?