

MATCH THE DEAD WHITE GUY TO HIS CLAIM TO FAME each name is used once

Rev John Ray

Linnaeus

Ussher

James Hutton

Lamarck

Buffon

Boucher de Perthes

Cuvier

_____ He studied sea worms, and his theory was based on the Inheritance of Acquired Characteristics

_____ He observed the earth and saw it was older than thought, with no evidence of a beginning:

_____ Father of paleontology, last scientist to promote catastrophism, created name "dinosaur", did not believe in uniformitarianism

_____ invented the concepts of genus, species; wrote *The Wisdom of God Manifested in the Works of Creation*

_____ He gave all species a binomial name, and classified them in nested taxa based on anatomy:

_____ He tried to write about everything in science, and suggested animal species had changed since the creation because of migrations, even that all mammals were descended from one original kind of mammal – which he was forced to retract

_____ Thunderstones are actually ancient flint tools

_____ He calculated the age of the earth from the Bible

MATCH THE DATE TO THE EVENT: 4004 b.c.

1707

1707

1789

_____ year Buffon was born

_____ year Linnaeus was born

_____ French revolution

_____ year of creation as calculated by an Irish Archbishop

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

7. Which is NOT evidence that primates have CULTURE?

- A. Chimps in different countries have different ways of hunting, breaking nuts open, and catching termites
- B. Older monkeys remember events that happened long ago and can lead the troop to safety
- C. Monkeys learn what is food and what is not
- D. Apes have to learn how to take care of their babies
- E. Japanese macaques learned to wash the sand off of sweet potatoes by watching one inventive monkey
- F. Old World Monkeys are born with rump pads

8. Which is NOT a likely explanation for why a species has a lot of sexual dimorphism?

- A. The species is monogamous: all animals pair bond for life
- B. Males compete with other males for access to females
- C. Females prefer to mate with larger males
- D. Smaller females can have more babies since they start at an earlier age
- E. Larger males are needed for defense

9/10 **MATCH THE TERM TO THE DEFINITION:****UNIFORMITARIANISM****CATASTROPHISM****ENLIGHTENMENT****EVOLUTION**

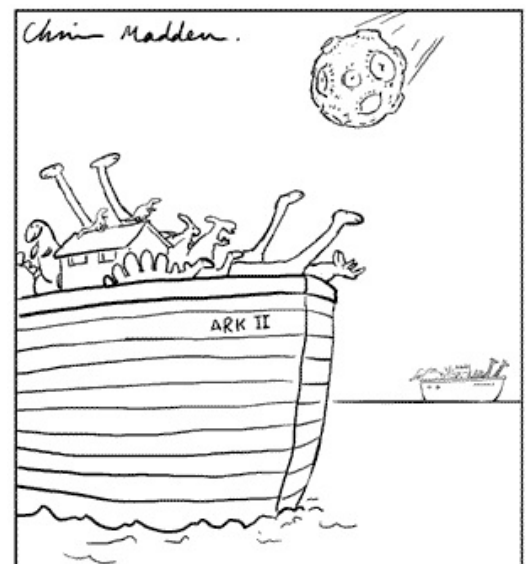
_____ the earth is old, plants and animals we see today are different than those in the past, and the ones today are descended from those of the past

_____ the laws of nature do not change; the earth today is the result of the same gradual processes we see now, like erosion and deposition

_____ the earth has been shaped buy a few violent episodes, not by slow and gradual change; in fact plants and animals today are not the result of evolution

_____ the 18th Century, the age of Reason, the birth of science as well as of the Industrial Revolution**PRINT FIRST NAME _____ LAST NAME _____****BONUS QUESTION: Which is part of Lamarck's theory?**

- A. Spontaneous generation of new organisms continues today
- B. Organisms strive for perfection
- C. Animals change in the right environments by overusing and enlarging some organs at the expense of others
- D. Changes in your anatomy during your lifetime will be inherited by your offspring
- E. Lamarck used all of these ideas



The dinosaurs were wiped out by a giant asteroid.