

**QUIZ # 8****1. Which is TRUE about primate evolution?**

- A. There was an adaptive radiation of prosimian-like primates in the Eocene of the Cenozoic
- B. Aegyptopithecus seems to be an ancestral catarrhine, an ancestor of apes and OW monkeys
- C. We can recognize the first hominoids because they have Y-5 molars, and no tails
- D. Eocene primates had some fingernails, but like modern lorises, they had claws for grooming
- E. Monkeys and apes have complete bony eye sockets in their skulls.
- F. All of these are true

**2. Which is FALSE about LEMURS?**

- A. All the wild lemurs live on the island of Madagascar
- B. Lemurs have post orbital bars
- C. Lemurs are prosimians
- D. Lemurs have claws and no fingernails
- E. Lemurs have tooth combs

**3. Which is FALSE?**

- A. Gigantopithecus was a Miocene ape, the largest primate ever; a few people think it is not extinct
- B. Cartmill thinks that primates had grasping hands and stereo vision to catch bugs before they became arboreal
- C. Humans are more closely related to chimps and gorillas than to orangutans
- D. Some anthropologists now include the African apes in the category "hominids"
- E. *Shivapithecus* seems to be an extinct form of bonobo
- F. Vincent Sarich used genetics to show that "Ramapithecus" was not a Miocene hominid

**4. Compared to reptiles, mammals:**

- A. Chew their food more
- B. Run faster
- C. Are warm blooded
- D. Have their legs more underneath their bodies
- E. Hear better
- F. All of these

**5. Which is TRUE?**

- A. Living Prosimians, like most Eocene primate fossils, have a Post Orbital Bar instead of a full bony eye socket like monkeys and apes have.
- B. The first lungs probably evolved from the swim bladders of fish
- C. the first life on earth were single celled organisms without a nucleus.
- D. Many Oligocene primate fossils have been found in the Fayum of Egypt
- E. All of these seem to be true

**6. Which is the dental formula of platyrrhines?**

- A. 2.1.3.3
- B. 2.1.2.3
- C. 3.1.3.2
- D. 2.1.2.2

**7. The pattern of the leg bones of birds, mammals, reptiles, and amphibians is:**

- A. A homology
- B. An analogy
- C. Different in each of these groups
- D. A notochord

**8. Which is TRUE about the geology and history of the earth?**

- A. The earth started out warm and has gradually cooled off over billions of years
- B. In the Paleozoic there was only one large continent, called Pangea
- C. Primates evolved during the Cenozoic
- D. Multicellular organisms appeared before sexual reproduction did.
- E. All of these are true.

**9. Which is TRUE?**

- A. Amphioxus (pictured in your textbook) is an early animal with a notochord
- B. The first lungs probably evolved from the swim bladders of fish
- C. the first life on earth were single celled organisms without a nucleus.
- D. Many Oligocene primate fossils have been found in the Fayum of Egypt
- E. All of these seem to be true

**10. Which is true about the earth 65 million years ago, at the end of the age of dinosaurs and the beginning of the age of mammals?**

- A. the first animals with four legs appeared.
- B. the first animals with backbones appeared.
- C. ferns replaced flowering plants and trees.
- D. climates were getting warmer and wetter.
- E. a lot of species became extinct, including the last of the dinosaurs, which many scientists think was hastened by the earth being hit by a comet or asteroid or meteor.

**PRINT YOUR NAME \_\_\_\_\_****BONUS Q: In the evolution of vertebrate animals, which came FIRST?**

- A. Backbones and ribs
- B. Legs
- C. Lungs
- D. Living on land not in sea