

Pioneers and Milestones in Zoology

Zoology · Answer Key · 10 Questions

1. Who is credited with publishing 'Systema Naturae' in 1735, which established the foundation for modern binomial nomenclature?

- A) Charles Darwin
- B) Carl Linnaeus**
- C) Gregor Mendel
- D) Georges Cuvier

2. Which scientist is famously known as the 'father of comparative anatomy' for his pioneering work in the late 18th and early 19th centuries?

- A) Georges Cuvier**
- B) Louis Agassiz
- C) Thomas Huxley
- D) Richard Owen

3. What was the first animal to have its complete genome sequenced in 1998, a major milestone in molecular zoology?

- A) *Mus musculus*
- B) *Drosophila melanogaster*
- C) *Caenorhabditis elegans***
- D) *Danio rerio*

4. Which naturalist published 'The Voyage of the Beagle', documenting the observations that eventually led to the theory of evolution by natural selection?

- A) Alfred Russel Wallace
- B) Jean-Baptiste Lamarck
- C) Charles Darwin**
- D) Ernst Haeckel

5. In 1842, who coined the term 'Dinosauria' to describe a distinct group of extinct reptiles?

- A) Gideon Mantell
- B) William Buckland
- C) Richard Owen**
- D) Mary Anning

6. Which female primatologist began her groundbreaking long-term study of chimpanzee behavior at Gombe Stream National Park in 1960?

- A) Dian Fossey
- B) Birute Galdikas
- C) Jane Goodall**
- D) Sarah Blaffer Hrdy

7. What classification rank did Ernst Haeckel propose in 1866 to accommodate single-celled organisms that did not fit into the plant or animal kingdoms?

- A) Protista**
- B) Monera
- C) Archaea
- D) Fungi

8. Who is recognized for discovering that the Coelacanth, a fish thought to have gone extinct 66 million years ago, was still alive in 1938?

- A) Marjorie Courtenay-Latimer**
- B) Jacques Cousteau
- C) Hans Hass
- D) Sylvia Earle

9. The first successful cloning of a mammal from an adult somatic cell, Dolly the sheep, took place at the Roslin Institute in what year?

- A) 1994
- B) 1996**
- C) 1998
- D) 2000

10. Which zoologist is noted for the 1858 paper that independently proposed the theory of evolution by natural selection alongside Charles Darwin?

- A) Thomas Malthus
- B) Alfred Russel Wallace**
- C) Charles Lyell
- D) Herbert Spencer