

Pioneers and Milestones in Zoology

Zoology · Answer Key · 15 Questions

1. Who is credited with the first published use of the term 'Biology' in its modern sense in 1802?

- A) Jean-Baptiste Lamarck**
- B) Charles Darwin
- C) Carl Linnaeus
- D) Georges Cuvier

2. In 1758, the tenth edition of which work was published, marking the official starting point of modern zoological nomenclature?

- A) Philosophia Botanica
- B) Genera Plantarum
- C) Systema Naturae**
- D) Species Plantarum

3. Which scientist is recognized for being the first to propose the concept of 'extinction' as a natural phenomenon by studying mammoth fossils?

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

4. What was the first species to have its full genome completely sequenced, a milestone achieved in 1998?

- A) *Drosophila melanogaster*
- B) *Caenorhabditis elegans***
- C) *Mus musculus*
- D) *Saccharomyces cerevisiae*

5. Who was the first to describe the process of 'imprinting' in birds, specifically using greylag geese?

- A) Konrad Lorenz**
- B) Nikolaas Tinbergen
- C) Karl von Frisch
- D) B.F. Skinner

6. Which 19th-century zoologist was the first to coin the term 'Phylum' for a taxonomic rank?

- A) Ernst Haeckel
- B) August Weismann
- C) Georges Cuvier**
- D) Gottfried Reinhold Treviranus

7. In 1839, Theodor Schwann and Matthias Schleiden published the Cell Theory; who was the first to actually observe 'cells' in cork under a microscope in 1665?

- A) Antonie van Leeuwenhoek
- B) Robert Hooke**
- C) Marcello Malpighi
- D) Jan Swammerdam

8. The discovery of the coelacanth in 1938 was significant because it was a 'living fossil'; who was the first person to identify this specimen at a South African fish market?

- A) Marjorie Courtenay-Latimer**
- B) J.L.B. Smith
- C) Louis Agassiz
- D) William Beebe

9. Who was the first to demonstrate, via his 'honey bee dance' research, that animals could use symbolic language to communicate spatial information?

- A) Karl von Frisch**
- B) Konrad Lorenz
- C) Jane Goodall
- D) E.O. Wilson

10. What was the first animal to be cloned from an adult somatic cell, famously born in 1996?

- A) CC the Cat
- B) Dolly the Sheep**
- C) Snuppy the Dog
- D) Tetra the Rhesus Macaque

11. Which researcher was the first to discover the existence of 'spontaneous generation' being false by using sealed meat jars to prevent fly larvae growth?

- A) Lazzaro Spallanzani
- B) Francesco Redi**
- C) Louis Pasteur
- D) John Needham

12. In 1872, the HMS Challenger expedition began; what was its primary zoological significance?

A) First global deep-sea biological survey

- B) Discovery of the Galapagos finches
- C) First use of scuba gear in zoology
- D) First collection of Antarctic penguins

13. Who was the first zoologist to describe the 'alternation of generations' (metagenesis) in cnidarians?

A) Adelbert von Chamisso

- B) Christian Gottfried Ehrenberg
- C) Thomas Henry Huxley
- D) Rudolf Leuckart

14. Which scientist is credited with the first experimental demonstration of the 'Dollo's Law of Irreversibility', stating that an organism cannot return to a previous evolutionary state?

A) Louis Dollo

- B) Stephen Jay Gould
- C) Theodosius Dobzhansky
- D) Sewall Wright

15. The first documented use of a camera trap for wildlife photography, specifically targeting shy animals, is attributed to whom in the 1890s?

A) George Shiras III

- B) Frank Chapman
- C) John James Audubon
- D) Alfred Russel Wallace