Pioneering Discoveries in Zoology and Ecology

Zoology · Answer Key · 8 Questions

1. Which scientist published the first description of the coelacanth in 1939, confirming the survival of a lineage thought to have gone extinct 66 million years ago?

A) Marjorie Courtenay-Latimer
B) J.L.B. Smith
C) Louis Agassiz
D) Charles Darwin

2. In 1977, the discovery of which deep-sea ecosystem forced a revision of biological understanding by proving life could exist independently of sunlight?

A) The Great Barrier Reef
B) Hydrothermal vents
C) The Mariana Trench
D) The Mid-Atlantic Ridge

3. What was the first species of animal to be fully sequenced, marking a major milestone in developmental biology in 1998?

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

4. Who is credited with the first scientific discovery of the platypus in 1799, an animal so bizarre that early European scientists believed it was a taxidermy hoax?

A) George Shaw
B) Joseph Banks
C) Captain James Cook
D) Charles Darwin

5. Which expedition, spanning 1872 to 1876, is widely considered the foundation of modern oceanography and discovered over 4,700 new species?

A) The Beagle Expedition
B) The Challenger Expedition
C) The Terra Nova Expedition
D) The Endeavour Expedition

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6. In 1928, what breakthrough discovery by Alexander Fleming was later synthesized to treat bacterial infections in animals, revolutionizing veterinary and human medicine?

A) Streptomycin
B) Penicillin
C) Tetracycline
D) Sulfonamide

7. Which researcher was the first to document the use of tools by chimpanzees in Gombe Stream National Park in 1960, fundamentally changing the definition of tool-using animals?

A) Dian Fossey
B) Birute Galdikas
C) Jane Goodall
D) Louis Leakey

8. What is the name of the first mammal to be successfully cloned from an adult somatic cell, marking a paradigm shift in reproductive biology in 1996?

A) Dolly the sheep
B) Cumulina the mouse
C) Snuppy the dog
D) CC the cat

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