Palaeontology Essentials and Discoveries

Palaeontology · Answer Key · 4 Questions

1. Which famous Canadian fossil site, discovered by Charles Doolittle Walcott in 1909, is celebrated for its exceptional preservation of soft-bodied Cambrian organisms?

A) Ediacara Hills
B) Burgess Shale
C) Solnhofen Limestone
D) Messel Pit

2. In which geological formation was the first specimen of Archaeopteryx, displaying detailed impressions of feathers, discovered in 1861?

A) Solnhofen Limestone, Germany
B) Santana Formation, Brazil
C) Yixian Formation, China
D) Morrison Formation, USA

3. Which mass extinction event was the most severe in Earth's history, resulting in the loss of roughly 96% of all marine species?

A) Cretaceous-Paleogene
B) Late Devonian
C) Permian-Triassic
D) Triassic-Jurassic

4. Traditional dinosaur classification splits the clade Dinosauria into two orders, Saurischia and Ornithischia, based primarily on the structure of which skeletal feature?

A) Skull
B) Pelvis
C) Ankle joint
D) Vertebrae

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