

The Rise and Fall of the Dinosaurs
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Chapter 1 - The Dawn of the Dinosaurs

Problem 1. What term do paleontologists use when around 90% of all life, plants and animals, die? How many of these have occurred in the history of the Earth? Page 18.

- (a) Mass Extinction and 3
- (b) Extinction and 3
- (c) Mass Extinction and 5
- (d) Extinction and 3

Problem 2. Are the two forms of fossils body and trace? .Page 19.

- (a) True
- (b) False

Problem 3. Provide an example of each type of fossil. Page 19 - 20

Problem 4. What three periods of geological history did the dinosaurs live? What are those three periods called? page 20.

- (a) Triassic, Jurassic, and Cretaceous. Called the Mesozoic Era.
- (b) Permian, Jurassic, and Cretaceous. Called the Triassic Era.
- (c) Triassic, Permian, and Cretaceous. Called the Jurassic Era.
- (d) Triassic, Jurassic, and Permian. Called the Cretaceous Era.

Problem 5. When did the Earth form? Page 20.

- (a) 1.5 million years ago.
- (b) 4.5 million years ago.
- (c) 1.5 billion years ago.
- (d) 4.5 billion years ago.

Problem 6. Describe life 4.5 billion years ago. Page 20.

- (a) Microscopic bacteria
- (b) Bacterial world.
- (c) Sponges and jellyfish.
- (d) First vertebrate, flimsy minnows.
- (e) Frogs, salamanders, crocodiles, and snakes.

Problem 7. Describe life 2 billion years ago. Page 20.

- (a) Microscopic bacteria
- (b) Bacterial world.
- (c) Sponges and jellyfish.
- (d) First vertebrate, flimsy minnows.
- (e) Frogs, salamanders, crocodiles, and snakes.

Problem 8. Describe life 1.8 billion years ago. Page 20.

- (a) Microscopic bacteria
- (b) Bacterial world.
- (c) Sponges and jellyfish.
- (d) First vertebrate, flimsy minnows.
- (e) Frogs, salamanders, crocodiles, and snakes.

Problem 9. Describe life 540 million years ago. Page 20.

- (a) Microscopic bacteria
- (b) Bacterial world.
- (c) Sponges and jellyfish.
- (d) First vertebrate, flimsy minnows.
- (e) Frogs, salamanders, crocodiles, and snakes.

Problem 10. Describe life 390 millions year ago. Page 21.

- (a) Microscopic bacteria
- (b) Bacterial world.
- (c) Sponges and jellyfish.
- (d) First vertebrate, flimsy minnows.
- (e) Frogs, salamanders, crocodiles, and snakes.

Problem 11. The Permian world was dominated by why type of creature? Page 28.

- (a) Jellyfish
- (b) Sprawlers
- (c) Upright creatures

Problem 12. What type of creature grew after the Permian era? Page 28.

- (a) Jellyfish
- (b) Sprawlers
- (c) Upright creatures

Problem 13. Is there a clean boundary in time between non-dinsosaurs and dinosaurs? Page 33.

- (a) Yes
- (b) No

Problem 14. When did the first dinosaurs appear? Page 34.

- (a) 540 - 530 million years ago
- (b) 240 - 230 million years ago
- (c) 40 - 30 million years ago

Problem 15. What is the Herrerasaurus a primitive version of? Page 40.

- (a) Tyrannosaurus or Velociraptor
- (b) Apatosaurus or Brontosaurus
- (c) Triceratops or Regaliceratops
- (d) Stegosaurus or Miragaia

Problem 16. Where the first dinosaurs dominant? Page 43.

- (a) Yes
- (b) No