

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

Problem 1. Describe the animals during the Permian period years ago. Page 14.

Problem 2. 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.

Problem 3. What two forms do fossils come in? Provide examples of each. page 19 - 20.

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

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

Problem 6. Describe life 2 billion years ago. Page 20.

Problem 7. Describe life 1.8 billion years ago. Page 20.

Problem 8. Describe life 540 million years ago. Page 20.

Problem 9. Describe life 390 millions year ago. Page 21.

Problem 10. How do you identify an animal based on the tracks? Page 25.

Problem 11. Describe the *Prorotodactylus* trackways. Page 28.

Problem 12. The Permian world was dominated by why type of creature? Page 28.

Problem 13. What type of creature grew after the Permian era? Page 28.

Problem 14. Describe and name a few of these dinosaurs. Do any exist today? Provide an example. Page 30.

Problem 15. What is a dinosauiromorph? Page 31.

Problem 16. Is there a clean boundary in time between non-dinsosaurs and dinosaurs? Page 33.

Problem 17. When did the first dinosaurs appear? Page 34.

Problem 18. Describe carbon dating in your own words. Page 35.

Problem 19. What rocks are dinosaurs fossils found in? Why can't we use carbon dating on them? Page 36.

Problem 20. What is the Herrerasaurus a primitive version of? Page 40.

Problem 21. Where the first dinosaurs dominant? Explain your answer. Page 43.