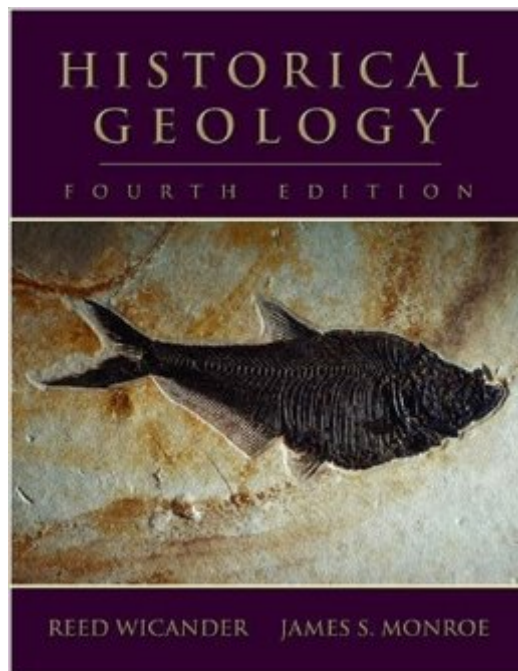


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# Historical Geology: Evolution Of Earth And Life Through Time (with CD-ROM And InfoTrac) (Available Titles CengageNOW)



## Synopsis

HISTORICAL GEOLOGY: EVOLUTION OF EARTH AND LIFE THROUGH TIME teaches students basic geologic principles as well as how scientists apply these principles to unravel Earth's history. Wicander and Monroe present a balanced overview of both the geological and biological history of Earth as a continuum of inter-related events. These events reflect the underlying principles and processes that have shaped our planet. The authors also explain the historical development of these basic principles and processes, and their importance in deciphering Earth history. Three major themes-time, evolutionary theory, and plate tectonics-are woven together throughout the book. These themes help students link essential material to enhance their understanding of historical geology.

## Book Information

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Average Customer Review: 3.9 out of 5 stars [See all reviews](#) (7 customer reviews)

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## Customer Reviews

The authors give a strong explanation of biological evolution, from its earliest unicellular origins to the present. Much fossil and DNA evidence is summarised. Including recent findings in fossil digs from the 90s. They point out that many so-called missing links are not. For relations between genera, families, orders and classes, the intermediate forms ("links") are often present in the fossil record. Amongst the cases cited are the origins of whales and sea cows. More generally, the book has numerous instances where transitions found in fossils are explained in terms of limbs or bones developing, or suchlike, so that you can clearly see how one fossil is the evolutionary ancestor of another later fossil. As in the early fishes. Where those who developed jaws with bones were then

more able to hunt other fishes; a strong evolutionary advantage. While the move onto land is shown in fossils that had fins with muscles. This allowed for propulsion above water, where the original advantage was to let the fish move around under water, in mud or vegetation. Geology is also emphasised. Often giving rise to various ore and petroleum bodies found today. Plus plate tectonics is shown to account for the continental drifts and the breakup of Gondwanaland.

If one is interested in historic geology and life on earth this is a great book to start with. Very well written and is a great introduction to how life interact the natural geological changes as the earth evolved over time.

An older edition of the book currently used for my Historical Geology class, but it has all the info you need without having to spend \$200 for a new edition. Fascinating subjects full of interesting facts and knowledge!

If you need this for a class, then it is your best friend. I personally think that the book is interesting to read by itself, but I'm a nerd.

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