



Mid-Devonian Fossils

A trip to Elma, New York

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Learning Objectives:

- The learner will be able to explain the geologic time scale and how it was elucidated.
- The learner will be able to describe the evolution of life in the context of the geologic and fossil records.
- The learner will be able to explain the evidences for evolution including fossils.
- The learner will be able to explain previous extinction rates and the conditions that may have caused those extinctions.
- The learner will be able to explain how conditions on earth are currently changing and based on their knowledge of the above be able to hypothesize about current and future extinctions.

A photograph of a tree trunk with exposed roots growing over a rocky, forested hillside. The roots are light-colored and gnarled, contrasting with the dark, shadowed rock and the green foliage in the background.

Module 1

Setting the Stage for a Virtual Field
Trip to Western New York to
Collect Fossils.



Activity 1: The Earth's Changing Landscapes

- Review of continental drift.
- Major mass extinction events since the Cambrian Period.
- Review of the geological time scale.
(Teacher Instructed)