

Topic 13 Summary

Interpreting Geologic History

Vocabulary

Absolute Age

Bedrock

Carbon-14 Dating

Correlation

Cross-cutting Relationships

Evolution (theory of)

Extrusion

Fossil

Geologic Time Scale

Half-life

Inclusion

Index Fossil

Intrusion

Isotope

Outgassing

Principle of Superposition

Radioactive Dating

Radioactive Decay

Species

Unconformity

Uranium-238

Relative Dating of Rocks and Events

Principle of Superposition

Dating Intrusions, Extrusions, and Inclusion

Dating Rock Features and Cross-Cutting Relationships

Correlation

Correlation by Exposed Bedrock

Correlation by Similarities in Rock

Correlation by use of Index Fossils

Correlation by Volcanic Ash and Meteorite Deposits

Geologic History from the Rock Record

Geologic Time Scale

Unconformities

Uniformity of Process

Absolute Dating of Rocks Using Radioactive Decay

Isotopes and Radioactive Decay

Uranium-238

Half-life

Radioactive Dating

Carbon-14 Dating

Evolution of Earth and Life

Variations in Fossils and Environments

Environment Evolution and Plate Tectonics

Environmental Evolution and Rock Types

Fossils and the Evolution of Life

Rapid Evolution of the life After an Impact event

Early Evolution on Earth