

GRADE 7

4a

Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know Earth processes today are similar to those that occurred in the past and slow geologic processes have large cumulative effects over long periods of time.

GRADE 7
4b

Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept, students know:

Students know the history of life on Earth has been disrupted by major catastrophic events, such as major volcanic eruptions or the impacts of asteroids.



Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know the rock cycle includes the formation of new sediment and rocks and that rocks are often found in layers, with the oldest generally on the bottom.

GRADE 7

4d

Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know that evidence from geologic layers and radioactive dating indicate Earth is approximately 4.6 billion years old and that life on this planet has existed for more than 3 billion years.



Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know fossils provide evidence of how life and environmental conditions have changed.



Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know how movements of the Earth's continental and oceanic plates through time, with associated changes in climate and geographical connections, have affected the past and present distribution of organisms.



Earth and Life History (Earth Science)

Evidence from rocks allows us to understand the evolution of life on Earth. As the basis for understanding this concept:

Students know how to explain significant developments and extinctions of plant and animal life on the geologic time scale.