



INVESTIGATING FOSSILS

Review and Reflect

Review

1. According to the chart in this investigation, how long have modern humans (*Homo sapiens*) been on Earth?
2. How are fossils used to match or correlate rock layers deposited in different places at the same time?
3. Why do geologists not use the characteristics of the rocks themselves to identify different rock layers that were deposited at the same time?

Reflect

4. In your own words, explain why you think that geologists still find the relative time scale to be a very useful tool.
5. Why is it that a scientist must look in many places to determine the succession of fossil species through geologic time?

Thinking about the Earth System

6. On your *Earth System Connection* sheet, note how the things you learned in this investigation connect to the geosphere, hydrosphere, atmosphere and biosphere.

Thinking about Scientific Inquiry

7. How did you model the fossil record?