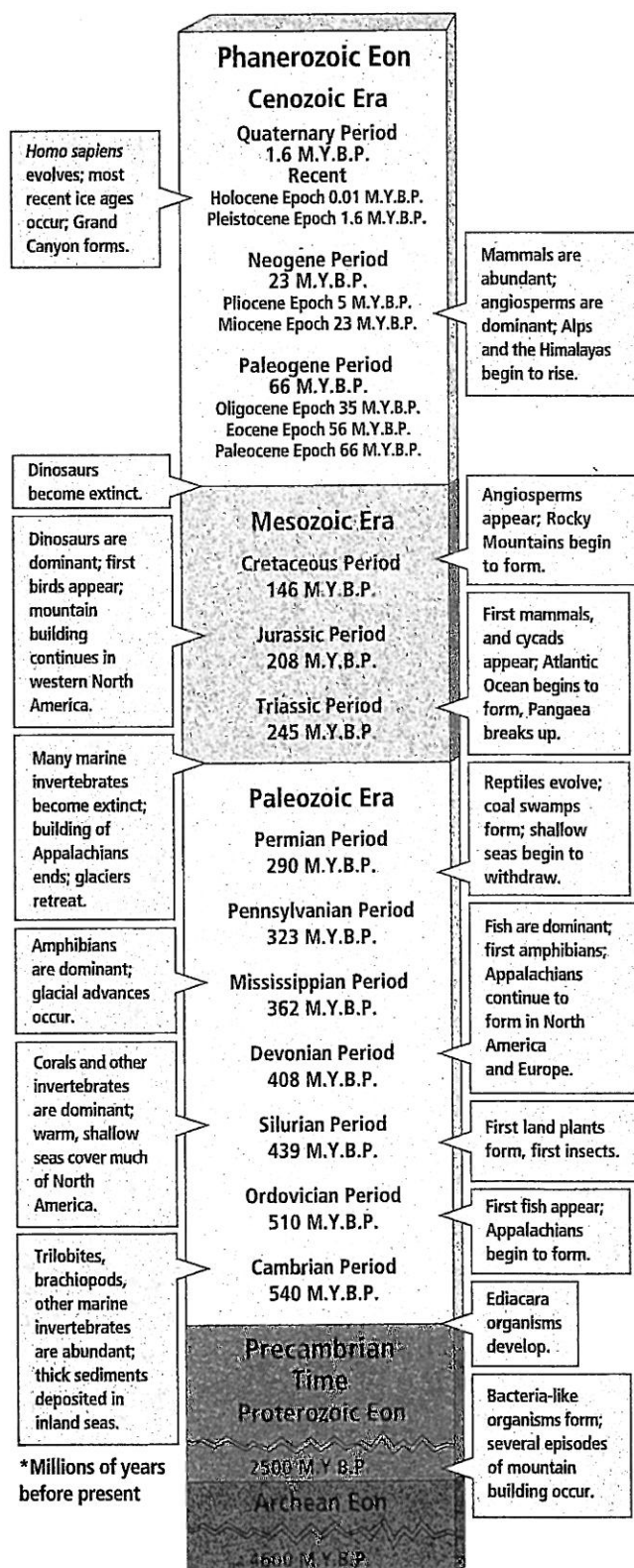


Use with Chapter 21
Section 21.1

The Geologic Time Scale



Use with Chapter 21
Section 21.1

The Geologic Time Scale

1. What is the geologic time scale?

2. What period of time is covered on the scale?

3. What are the four major divisions of time on the scale, from longest to shortest?

4. When was the Paleozoic?

5. During what period did reptiles evolve?

6. When did dinosaurs become extinct?

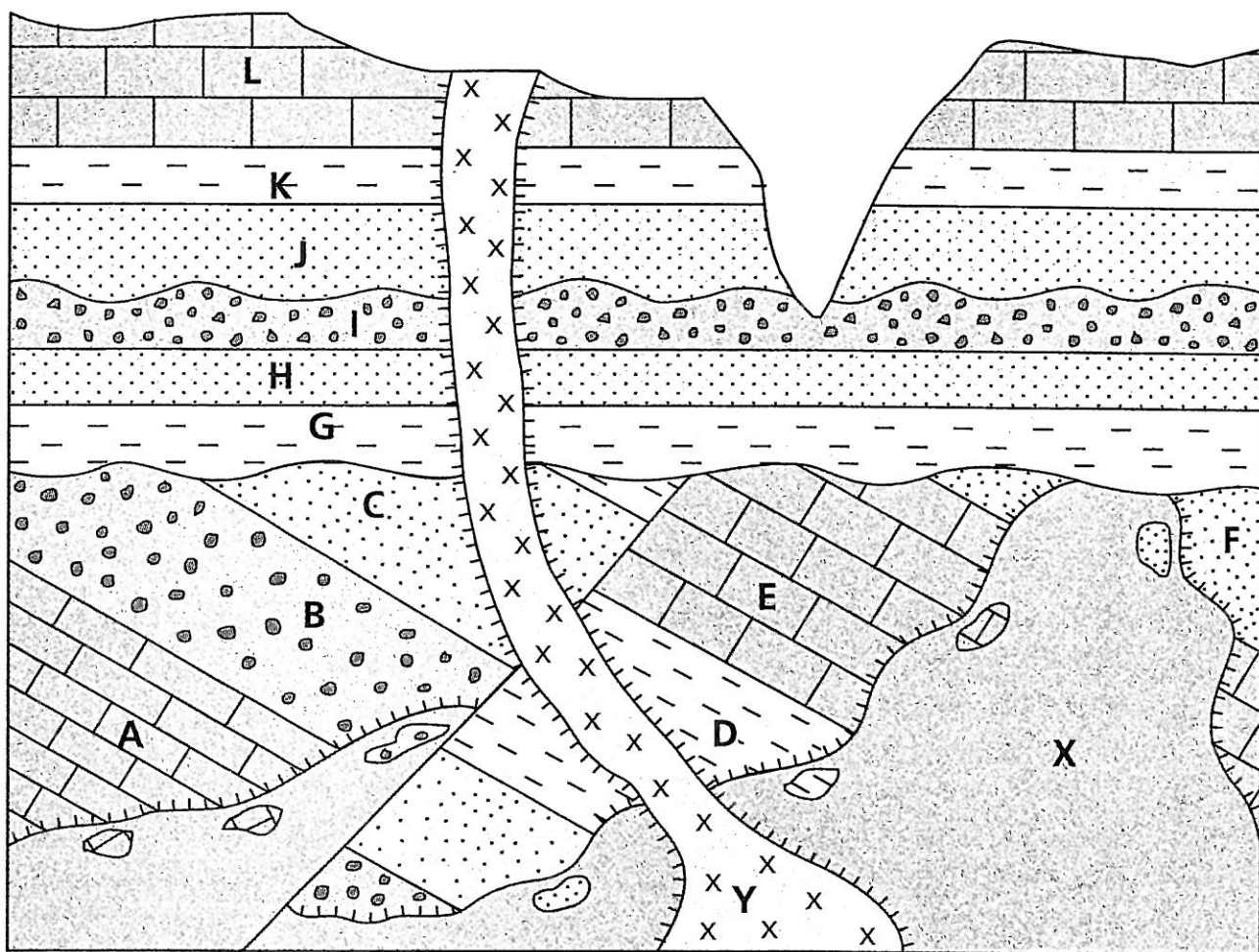
7. Which began to form first, the Alps or the Rocky Mountains?

8. Which organisms first appeared during the Silurian Period?

9. What era, period, and epoch is the present time in?

10. How long ago did the Paleocene Epoch begin?

Determining Relative Age



Key

Limestone Shale Sandstone Conglomerate Granite Granite

Use with Chapter 21
Section 21.2

Determining Relative Age

1. Which rock is the youngest?

2. Which rock is the oldest?

3. Where in the rock sequence does a disconformity occur?

4. Where in the rock sequence does an angular unconformity occur?

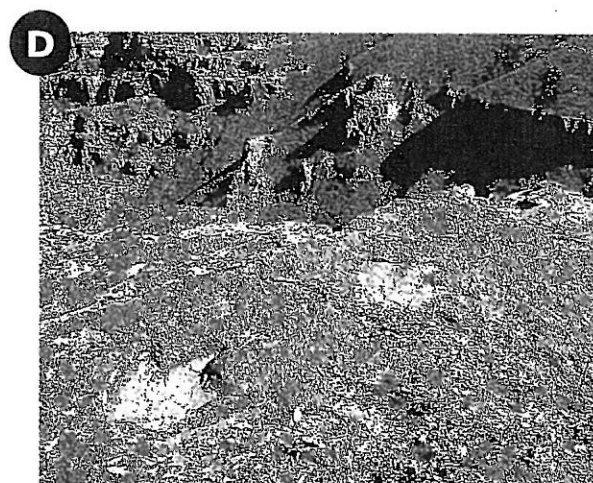
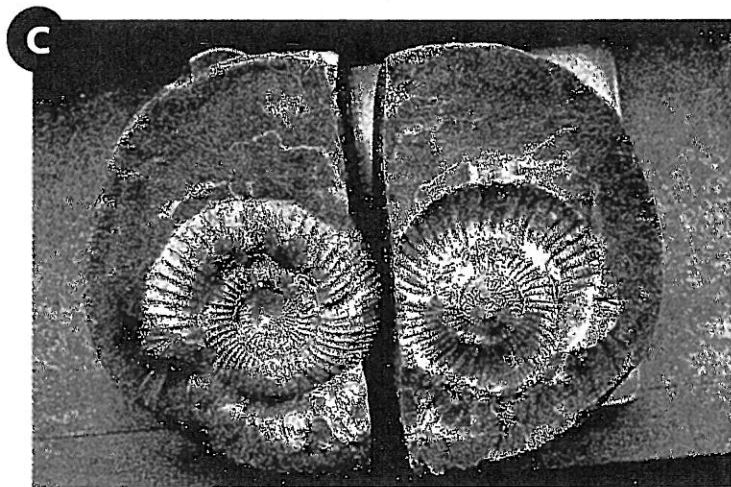
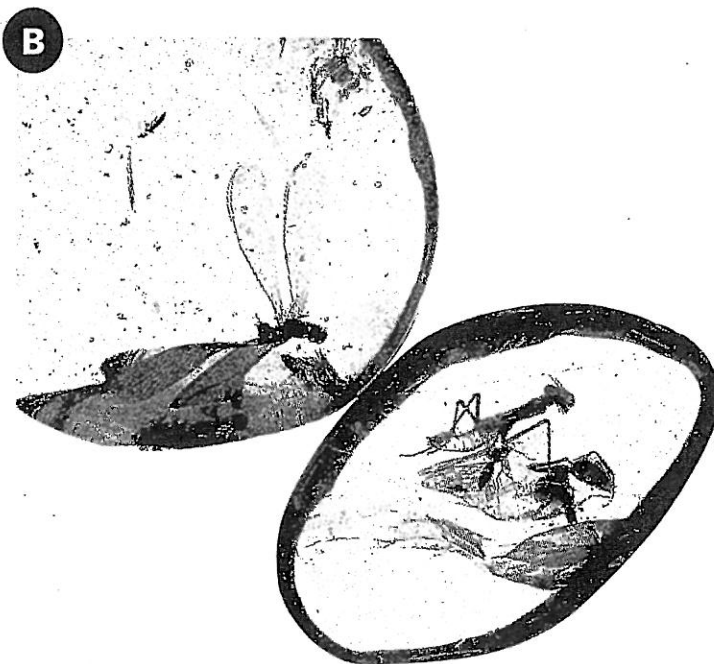
5. What is the relative age of the fault? Explain your answer, naming any principle you applied.

6. What is the relative age of X? Explain your answer, naming any principle you applied.

7. List the rock layers in order from oldest to youngest.

Use with Chapter 21
Section 21.4

Fossils



Fossils

1. What are fossils?

2. Which fossil(s) has original preservation?

3. Which fossil(s) has altered hard parts?

4. Which fossil(s) is a trace fossil? How do you think it was made?

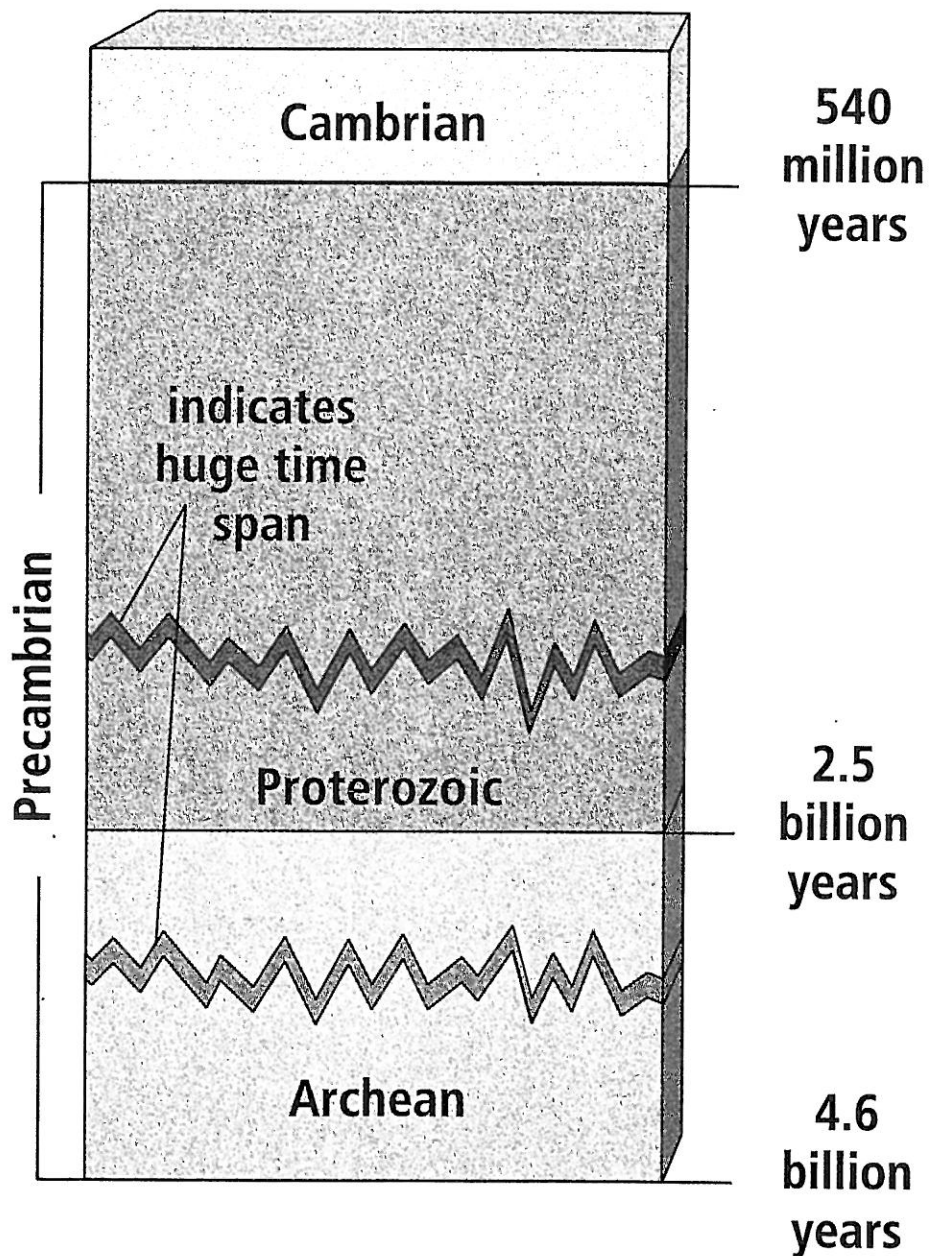
5. Identify the types of fossils in C and describe how they formed.

6. What is permineralization? Which fossil(s) formed by permineralization?

7. What is amber? Which fossil is preserved in amber?

Use with Chapter 22
Section 22.1

Geologic Time Scale: Precambrian



Use with Chapter 22
Section 22.1

Geologic Time Scale: Precambrian

1. What is the time period on the geologic time scale before the Cambrian called?

2. What do the zigzag lines on the geologic time scale indicate?

3. What eons make up the Precambrian?

4. How old is Earth?

5. What evidence have scientists considered in their attempt to establish the age of Earth?

6. Why would the age of meteorites be similar to that of Earth?

7. How long did the Archean last?

8. When did the Precambrian end?
