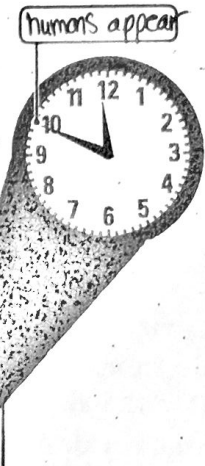


II. The geologic time scale divides Earth's history.

3. The timeline below represents Earth's history compared calendar year. Mark when each of the following events occurred: Earth forms; first life forms; complex life forms appear; humans appear.



A. Divisions of Geologic Time

4. List, from longest to shortest, the major divisions of the geologic time scale: period, eon, era, epoch.
Eon, Era, Period, Epoch (The size differences represent the relative time span of each division)

B. Phanerozoic Eon (p. 132)

5. Which era or eras do the clues below describe? Write *Paleozoic*, *Mesozoic*, or *Cenozoic* on the lines.
- a. Dinosaurs roamed Earth Mesozoic
 - b. Fish, the first animals with backbones, appear Paleozoic
 - c. Birds first appear Mesozoic
 - d. Mammals become a major category of life on Earth Cenozoic
 - e. Mass extinction occurred Paleozoic & Mesozoic
 - f. Part of the Phanerozoic era all
 - g. Most recent era Cenozoic
6. The Cenozoic era is divided into two periods—the Tertiary and Quaternary. In the chart below, describe Earth's life forms and land at the beginning of the Quaternary period and today.

Beginning of the Quaternary	Today
Large mammals (saber tooth cats, mammoths); First modern human ancestors; series of ice ages	NO more large mammals; ocean levels fall to expose land bridges; humans and animals spread out

7. Label the following organisms from 1 to 4 to show the order in which each type of organism first appeared on Earth.
- 3 flowering plant
 - 4 student
 - 1 fish
 - 2 insect

CHAPTER 4 Views of Earth's Past

Copyright © by McDougal Littell, a division of Houghton Mifflin Company