

Name \_\_\_\_\_

Date \_\_\_\_\_

Per \_\_\_\_\_

## Partner Read 6.3

Page 189: how can fossils “talk” to us?

Page 190: what part of an animal becomes a fossil? How are fossils formed?

Page 190: how are petrified fossils formed?

Page 190: what are molds and casts?

Page 190: what else can entire animals be preserved in besides sediment?

Page 190-191: figure 14 in the process of fossil formation, what materials replace the crocodile’s remains?

Page 191: why is it important to determine the age of fossils?

Page 191: how does relative dating work?

Page 192: how does radioactive dating work?

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Page 192: what is the fossil record and how does it help scientist?

Page 193: what is an extinct species?

Page 193: what are the four main time spans on the geologic time scale? Which is the longest?

Page 193: figure 15 At what time on a 12-hour time scale did plants appear on the land?

Page 194-195 read and discuss out loud. Which organisms appeared first- amphibians or fishes?

Page 196: is the fossil record complete? What are two main unanswered questions?

Page 196: explain possible explanations of mass extinctions

Page 197: explain the concept of gradualism

Page 197: explain the punctuated equilibria theory