

Unit 11 Section 5 Study Guide

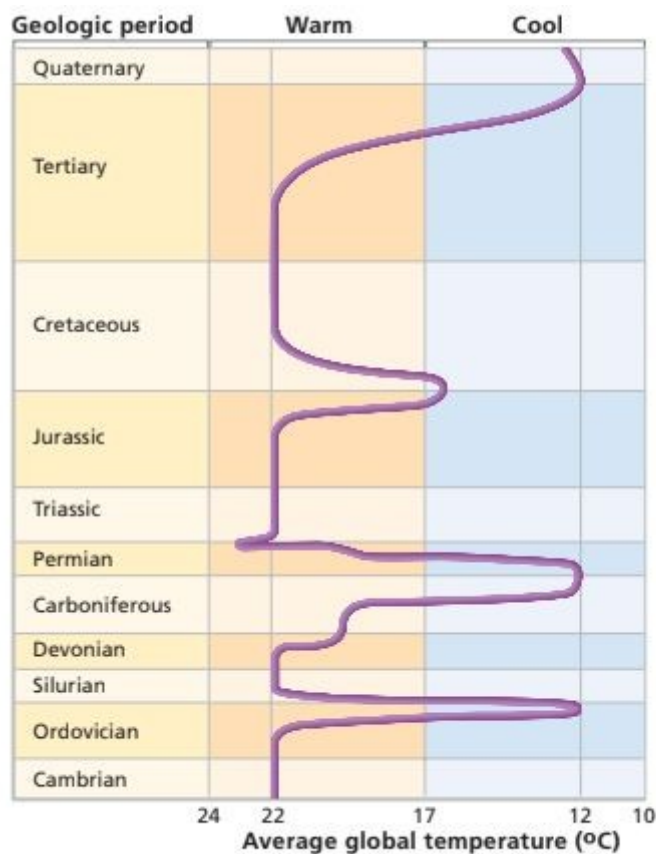
Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Describe geological evidence that implies climates were significantly colder at times in the geologic record (e.g., geomorphology, striations, and fossils). Pages: 224-26, 229, 431-434
2. Predict the global temperature increase by 2100, given data on the annual trends of CO₂ concentration increase. Pages: 645

Reviewing Major Concepts Part 2:

The graph below shows average global temperatures since Precambrian time. Use this graph to answer the questions that follow.



31. During which two periods were Earth's average global temperature the highest?
32. During which periods did Earth's average global temperature decrease?
33. Based on the graph, could climate change have caused the Permian mass extinction? Is climate change a likely cause of the mass extinction at the Cretaceous-Tertiary boundary? Explain your answer.