

## CHAPTER 6 STUDY GUIDE: THE ROCK AND FOSSIL RECORD

### SECTION 1

1. Uniformitarianism and Catastrophism are two principles that explain Earth's history and geologic change differently.

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2. Uniformitarianism states that the same geologic processes shaping the Earth today have been at work throughout Earth's history.

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3. Catastrophism states that all geologic change occurs suddenly.

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4. Whereas Uniformitarianism argues that the Earth's mountains, canyons, and oceans are formed by a **slow, gradual process** that can still be observed today, Catastrophism argues that the Earth's features are formed by **rare, sudden, drastic events** called **catastrophes**. What Do You Think?

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5. Modern Geology supports both Uniformitarianism and Catastrophism. Today's scientists agree that most geologic change is uniform and gradual, but they also agree that catastrophes do occur occasionally. What catastrophes can you think of that have changed the Earth's surface?

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### SECTION 2: RELATIVE DATING

6. Geologists study rocks and fossils to determine the order of events in Earth's history.

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7. Determining whether an object or event is older or younger than other objects or events is called relative dating.

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# Rock And Fossil Record Study Guide

**R Sanford**



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