

Earth and Life History

Name: _____

History of Geology

Period: _____

Use Chapter 8, Section 1 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

asteroid catastrophes climate cooling deposition erosion history

Section 1: The Study of Earth's History (p.234)

The Early Study of Geology

1. James Hutton stated that the key to understanding Earth's _____ is all around us.
2. The processes of _____ and _____ have not changed over time.
3. What does the principle of uniformitarianism state?
 - a. The geologic processes once at work are now changing.
 - b. Earth changes only at certain times and only after certain events.
 - c. Earth has always been as it is now.
 - d. The same geologic processes have been at work throughout Earth's history.

Uniformitarianism Versus Catastrophism (p.235)

4. What does the principle of catastrophism state?
 - a. Geologic changes occur suddenly.
 - b. Geologic changes are predictable.
 - c. Geologic catastrophes are uniform.
 - d. Geologic changes occur slowly.
5. Which of the following ideas did Hutton's theories suggest?
 - a. The Earth was not very old.
 - b. The Earth had experienced many catastrophes.
 - c. The Earth was much older than people thought.
 - d. The Earth never changed.



A Victory for Uniformitarianism (p.235)

6. Which principle did Principles of Geology support?
 - a. deposition
 - b. erosion
 - c. catastrophism
 - d. uniformitarianism

Modern Geology—A Happy Medium (p.236)

7. What do modern-day scientists believe about geologic change?
 - a. It all happens very slowly.
 - b. It all happens suddenly.
 - c. Some happens gradually, and some happens suddenly.
 - d. Geologic change does not happen.
8. _____ can affect small areas or the whole Earth, and can have short-term or long-term effects on _____.
9. Some scientists believe that an _____ hitting Earth contributed to the disappearance of the dinosaurs.
10. The debris cloud from a large asteroid striking Earth, or from a large volcanic eruption, could have caused a _____ of Earth's climate.

