

UNIFORMITARIANISM VS. CATASTROPHISM

Activity 1 – The Scotsmen

Directions –Cut out each of the description squares, then read the article about 4 individuals who contributed to the study of geology. While reading, glue the correct description under each of the geologists.

JAMES HUTTON	SIR CHARLES LYELL, 1 ST BARONET	JOHN PLAYFAIR	SIR JAMES HALL, 4 TH BARONET

1. Who is considered the “father of geology”?
2. Which of the Scotsmen are actual geologists?
3. Which of the Scotsmen was an illustrator?
4. Who artificially produced rocks in the laboratory?
5. What do all of the Scotsmen have in common? (Full points for full sentences)

Activity 2– Earth’s Story

Directions – use the amazing book of knowledge (red textbook) **pages 134 – 136** to answer the following questions.

6. What branch of science studies Earth's history?
7. What is uniformitarianism?
8. Explain the 4 processes James Hutton observed.
 - a.
 - b.
 - c.
 - d.
9. In Hutton's time, how old did people believe the Earth was?
10. Describe catastrophism.
11. Who challenged the principle of catastrophism?
12. What is the difference between catastrophism and uniformitarianism?
13. Describe what modern scientists realize about uniformitarianism and catastrophism.