

**ES202– Sedimentary Rock Video Exercise
(Earth Revealed: Sedimentary Rocks)**

Name _____

Watch the video in the lab and answer the questions below.

1. Who first explored the geology of the Grand Canyon? How did the Grand Canyon form?
2. How many years of Earth history are contained in the sedimentary rocks of the Grand Canyon?
3. What is the general goal of sedimentary geology?
4. What is sediment? How is it formed?
5. List and describe 3 examples of loose sediment at the Earth's surface.
6. How is loose sediment transformed into hard sedimentary rock?
7. True or False: sedimentary rocks most commonly occur inside the Earth, while igneous rocks are common at the Earth's surface. Explain your answer.
8. Define the term "clastic".
9. What is the smallest size of sediment particle called? What is the largest size of sediment particle called?
10. List and briefly describe 2 examples of how sediment may be transported at the Earth's surface.
11. List and describe 3 places at the Earth's where you would likely find sediment deposits. Why do you find deposits in these places?

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12. Define the term “lithification”. What are 2 processes that result in lithification of sediment?

13. List and describe 2 environments where chemical sediments may form.

14. What is the name of a sedimentary rock that forms from the skeletons and hard parts of dead sea animals?

15. Where does coal form? What is coal composed of?

16. What is the motto for the “principle of uniformitarianism”? What is the principle of uniformity and how is it used to interpret Earth history?

End Video at Uniformitarianism.