

Lesson 4.5: Sedimentary Rocks

Task	Page(s)	Learning Target
1	2	I can describe how sedimentary rocks are formed and classified.
2	3	I can use observations to describe and classify sedimentary rocks.

Task 1 Learning Target: I can describe how sedimentary rocks are formed and classified

Sedimentary Rocks

A. How does sedimentary rock form?

*Describe how each of the following terms leads to the making of sedimentary rock:

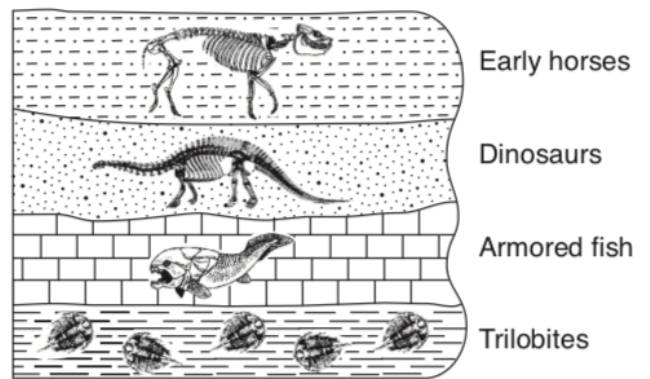
<i>Weathering:</i>	
<i>Sediments:</i>	
<i>Erosion:</i>	
<i>Sedimentation:</i>	
<i>Deposition:</i>	
<i>Cement/ cementation:</i>	
<i>Compact/compaction:</i>	

*Review the table above; Which terms are not in the correct order for the making of sedimentary rock?

B. What are some characteristics of sedimentary rock?

C. Sedimentary rock layers can provide clues about the organisms that were alive in the past. Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth’s 4.6-billion-year- old history.

- Explain how the diagram indicates that the trilobites are older than the other fossils shown.
- Explain why the organism found in bottom rock layer most likely went extinct.



(Not drawn to scale)

Task 2 Learning Target: I can use observations to describe and classify sedimentary rocks.

1. Draw a sketch of the 3 rock samples. Include labels. (sediments; coarse grained; fine grained; fossils; layers)



2. How would you classify each sample?
3. Describe the way they formed?
4. Why might they possess different colors?
5. Enrichment: How could you model the making of sedimentary rock with a bar of chocolate?