

Geology 101
Walk-In Lab #3
SEDIMENTARY ROCKS

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Due:

OBJECTIVE: To become familiar with rocks formed by sedimentary processes.

A. Identify the 10 sedimentary rocks found in the 101 cabinet in Room N111 ESC.

1. Chert (smooth surface)
2. sandstone (layers)
3. Rock salt (color)
4. Conglomerate (little rocks)
5. Travertine (layers)
6. Fossiliferous limestone (fossils)
7. limestone(layers)
8. Coal (color)
9. shale (thinness)
10. Rock gypsum (color)

B. Using the samples in room N-111 by the windows, answer the following questions.

1. Identify the sedimentary structure found on samples 2-1, 2-3, and 2-6.

- plane bed, anti dunes, ripples

2. What name would you give the large white rock on the bottom shelf (geologic name). How did you identify it?

- limestone, cause color and layers

3. What are the criteria you would use to identify sample 2-9?

- by the texture and the color

4. Give a brief history of sample 2-10? (what happened 1st, 2nd, etc.)

- first they were pebbles in a river
- And then sediment deposits meld them together

5. What part does weathering play in the formation of the rocks you have seen today?

- they help shape the rock