

Read lab manual Chapters 6 Sedimentary Rocks and Chapter 8 Geotime; define the following terms or answer questions. Use internet search tools as needed.

Lab 4: Intro to Sedimentology and Stratigraphy

4-1. Define the following terms (**use diagrams / drawings to illustrate your answers**).

A. stratification

B. beds

C. laminations

D. cross-bedding

E. graded-bedding

4-2. Briefly discuss three types of sedimentary environments that are found at the earth=s surface. **Use sketches and diagrams to illustrate their mode of occurrence.**

4-3. What are flute casts?

4-4. In what type of sedimentary environment would mudcracks form?

4-5. What is an unconformity?

- 4-6. Diagrammatically illustrate (in chronological order) the Eras and Periods of the geologic time scale. In addition, include the Epochs of the Cenozoic Era.