

Name: \_\_\_\_\_

Score: \_\_\_\_\_ / \_\_\_\_\_

The following set of questions is a selection modified from your lab manual. The numbering reflects the numbering in your manual. This exercise is due by \_\_\_\_\_.

**Part 1: Sedimentary Processes and Rocks (pages 84-94)**

1. Study the granite rock, quartz gravel, and clay layers in Figure 5.11 (p. 94). Consider the types of minerals in the granite and the physical and chemical weathering the granite would experience if it is exposed at the surface.
  - a. How might quartz gravel be formed from granite?
  
  
  
  
  
  
  
  
  
  
  - b. How might layers of clay be formed from granite?
  
2. Consider the physical and chemical weathering of a gabbro (Figure 4.13, p. 78)
  - a. What are the main minerals in a gabbro?
  
  
  
  
  
  
  
  
  
  
  - b. What would be the logical products of physical weathering of a gabbro?
  
  
  
  
  
  
  
  
  
  
  - c. What would be the logical products of chemical weathering of a gabbro?
  
3. What is the *source* of sediment in the White River?