**Relative Dating Virtual Lab**

1. What color is the Redwall Limestone in the Grand Canyon? (slide 2)

2. What does the law of Superposition state? (slide 3)

3. From oldest to youngest, what is the order of ages for these sedimentary rock layers? slide3

4. What is an unconformity? (slide 4)

5. What do you think will be the hardest part about constructing a geologic column for the Grand Canyon area based on four sample sections? (slide 6)

6. Describe how you plan to construct your geologic column for the Grand Canyon. (slide 7)

7. Do you think you were successful in constructing the geologic column for the Grand Canyon area based on four sample selections? (slide 9)

8. Your conclusion: How does the geologic column you constructed compare with the actual order of the rock layers? (slide 10)

9. Slide 11: Type of unconformity Surface (A,B,C) (Hint go back to slide 4)

Angular unconformity \_\_\_\_\_\_\_\_\_\_\_

Disconformity \_\_\_\_\_\_\_\_\_\_\_

Nonconformity \_\_\_\_\_\_\_\_\_\_\_

10. Use the information and fossils to find the relative age of the limestone sample (slide 12)

- crinoid: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

- trilobite: \_\_\_\_\_\_\_\_\_\_\_\_\_

- gastropod: \_\_\_\_\_\_\_\_\_\_\_

11. Write a 4-6 sentence summary about what you learned in this virtual lab.

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