From memory only—***not*** from your notes, textbook, or any other sources, and with help from nobody else—make a sketch of the **Great Unconformity** as it is exposed deep in Grand Canyon. Make your sketch in the space beneath the dashed line below. Include **as much detail** as you can remember about the Great Unconformity, and **label everything** that you include in your sketch.

You will ***not*** be graded on artistic ability, but you should try to fill up the entire space with your sketch, and draw and write your labels as legibly as you can.

Make this sketch ***on your own***—do not consult or work with anyone else.

**GREAT UNCONFORMITY CONCEPT SKETCH RUBRIC** **IDENTIFIER**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**VISUALIZATION** (Does it look like the Great Unconformity?)  
  
**Contact** (2 points)

contact is distinct and clearly drawn (1) \_\_\_\_\_\_\_\_

contact is distinct and clearly drawn (1) \_\_\_\_\_\_\_\_

**Rock Units** (2 points)

rock unit(s) drawn above contact (1) \_\_\_\_\_\_\_\_

rock unit(s) drawn below contact (1) \_\_\_\_\_\_\_\_

**Rock Unit(s) Above Contact** (2 points)

rocks above contact are layered (1) \_\_\_\_\_\_\_\_

rocks above contact are layered (1) \_\_\_\_\_\_\_\_

**Rock Unit(s) Below Contact** (2 points)

rocks below contact are foliated, denoted by lines (1) \_\_\_\_\_\_\_\_

foliation is near vertical, denoted by vertical lines (1) \_\_\_\_\_\_\_\_

**VISUALIZATION SCORE** (8 points) \_\_\_\_\_\_\_\_

**INTERPRETATION** (Does it portray the geology of the Great Unconformity?)

**Contact** (1 point)  
contact is labeled as Great Unconformity (1) \_\_\_\_\_\_\_\_

**Rock Units** (2 points)  
rock unit(s) above contact labeled as sedimentary (1) \_\_\_\_\_\_\_\_

rock unit(s) below contact labeled as metamorphic (1) \_\_\_\_\_\_\_\_

**Sedimentary Rocks Above Contact** (2 points)  
clastic texture denoted by circles, stipples, etc. (1) \_\_\_\_\_\_\_\_

sedimentary unit(s) labeled as Tapeats Sandstone (1) \_\_\_\_\_\_\_\_

**Metamorphic Rocks Below Contact** (1 point)

metamorphic unit(s) labeled as basement rock\* (1) \_\_\_\_\_\_\_\_

**Additional Features** (3 points)  
Great Unconformity labeled as nonconformity (1) \_\_\_\_\_\_\_\_   
major age difference noted between upper & lower units (1) \_\_\_\_\_\_\_\_   
age difference of 1840 Ma versus 525 Ma noted (1) \_\_\_\_\_\_\_\_

**INTERPRETATION SCORE** (9 points) \_\_\_\_\_\_\_\_

**\***accept Basement, Elves Chasm Gneiss, Vishnu Schist, Rama or Brahma Schist

**VISUALIZATION SCORE** (8 points) \_\_\_\_\_\_\_\_

**INTERPRETATION SCORE** (9 points) \_\_\_\_\_\_\_\_

**TOTAL SCORE** (17 points) \_\_\_\_\_\_\_\_

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