

Answer sheet to homework #1, GEOS 304, S03

PLEASE LIST THE GEOLOGIC EVENTS, BEGINNING WITH THE OLDEST AS #1:

- 21: Eruption of Sunset Basalt and intrusion of feeder dike.
- 20: Erosion to cut canyon.
- 19: Movement on fault that cuts Tapeats Sandstone and younger strata.
- 18: Deposition of Another Sandstone.
- 17: Deposition of Redwall Limestone.
- 16: Deposition of Bright Angel Shale.
- 15: Deposition of Tapeats Sandstone.
- 14: Uplift and erosion of all older rocks.
- 13: Intrusion of Wilderness Granite.
- 12: Fault that cuts unnamed but is intruded by Wilderness Granite.
- 11: Folding and tilting of sequence
- 10: Deposition of Flesch Imstr.
- 9: Deposition of unnamed.
- 8: Deposition of Blue Limestone.
- 7: Deposition of unnamed unit.
- 6: Deposition of Barbeau Sandstone.
- 5: Uplift and erosion of MacC Schist and Shundong Granite.
- 4: Intrusion of Shundong Granite
- 3: Metamorphism of sedimentary rock into MacCarthy Schist.
- 2: Compaction and lithification of sediments that will become MacCarthy Schist.
- 1: Deposition of sediments that will become MacCarthy Schist.