

November 5, 2021  
MSE 2101 topics

- The carbon dioxide cycle: rainfall → erosion → deposits → subduction → melting → outgassing → dissolving
- CO<sub>2</sub> on Earth vs. Venus:
  - 1:200,000 in the atmosphere
  - 170,000:1 in the rocks
  - WHY?
- Greenhouse effect – too much of a good thing?
  - negative and positive feedbacks
  - moist greenhouse effect
  - runaway greenhouse effect
- Global warming – *not* a matter of opinion!
  - average global temperature through time
  - correlation between average global temperature and CO<sub>2</sub>
  - antropogenic or natural?