

November 4, 2015
MSE 2101 topics

- Quiz torture (over – whew!)
- Test 2 review (86% average! :-D)
- 4+ billion years ago: early microbial evolution
 - anaerobic chemoautotrophs
- 3.5+ billion years ago: rapid diversification
 - evolution of photosynthesis in steps
- 2.5 billion years ago: initial oxygen buildup
 - everything balances everything, adaptation rules!
- 2.1 billion years ago: first cell nuclei; symbiotic relationships
 - complex structures → more diversity
 - compartmentalized structure, mitochondria, chloroplasts