

October 5, 2020  
MSE 2101 topics

- Cells: the fundamental units of life
- Aminoacids
  - amino group (-H<sub>2</sub>N) and carboxyl group (-COOH)
- Chirality (handedness)
- The legos of life
  - carbohydrates
  - lipids
  - proteins
  - nucleic acids
- But... but... but... that means that ... .. REALLY?
- Classification by appearance
  - *flora, fauna*
  - *flora, fauna, protista, monera, fungi*
  - *prokaryotes, eukaryotes*
- The Tree of Life: archea, bacteria, eukarya
  - we are closer to slime molds than bacteria are to each other!
  - *true diversity revealed*