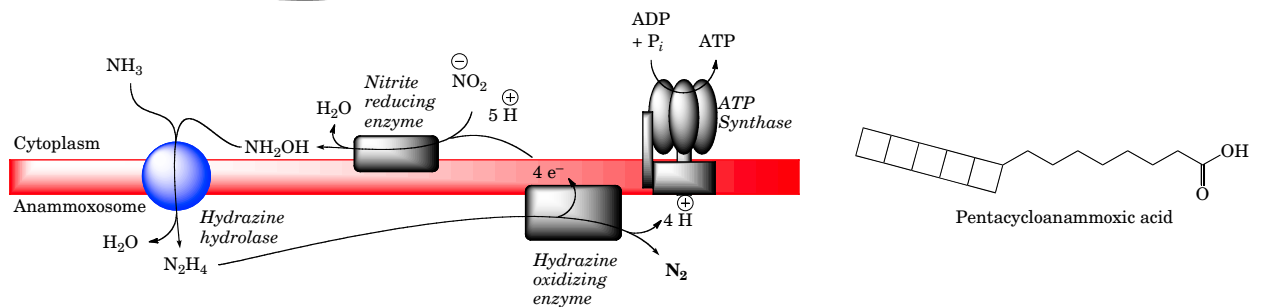
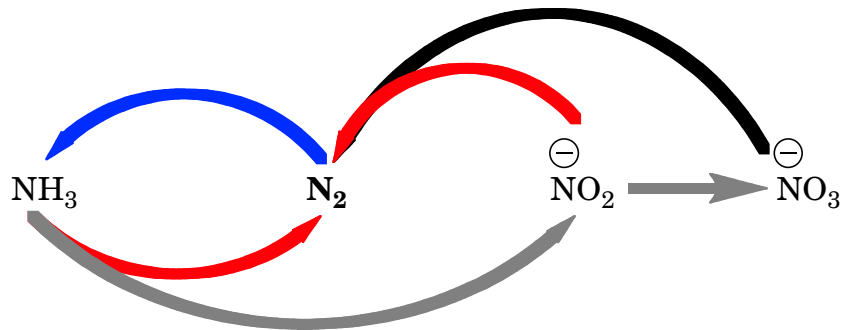
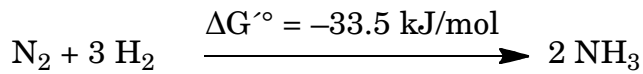
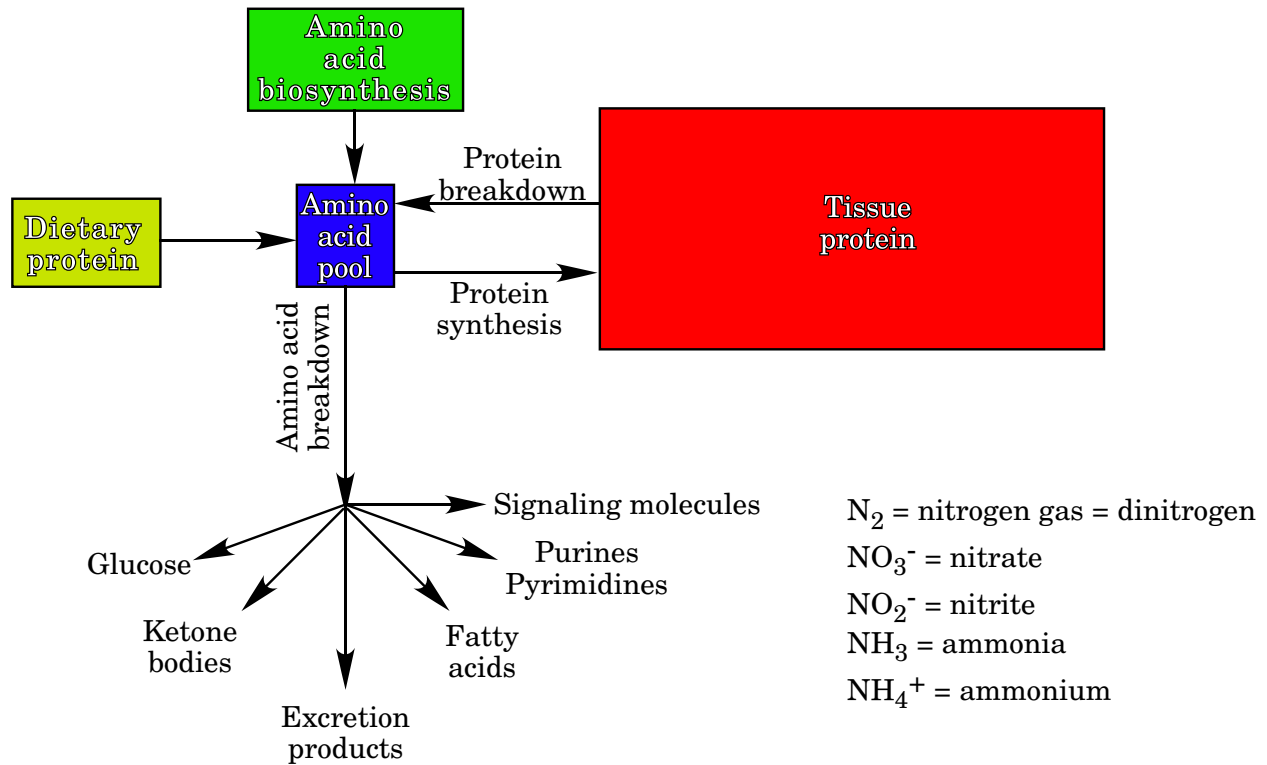
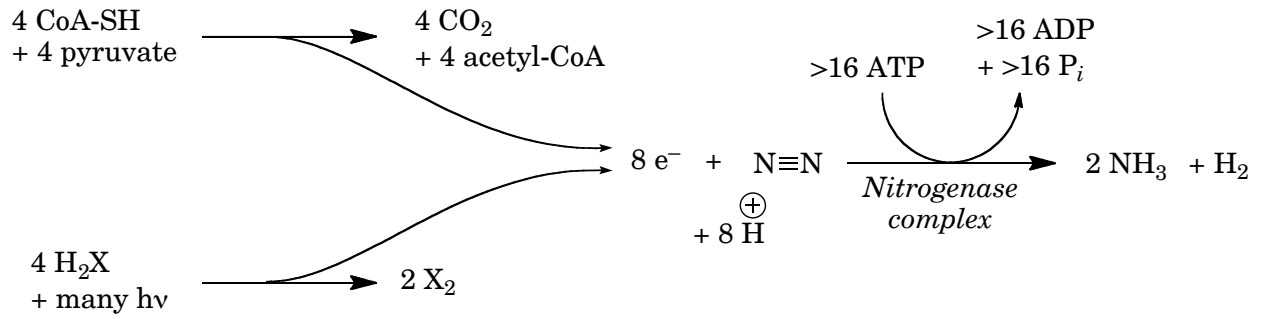
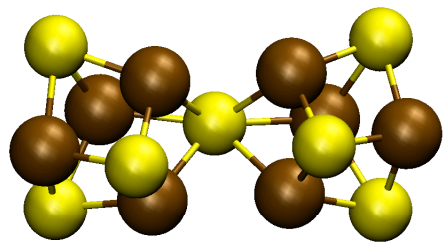
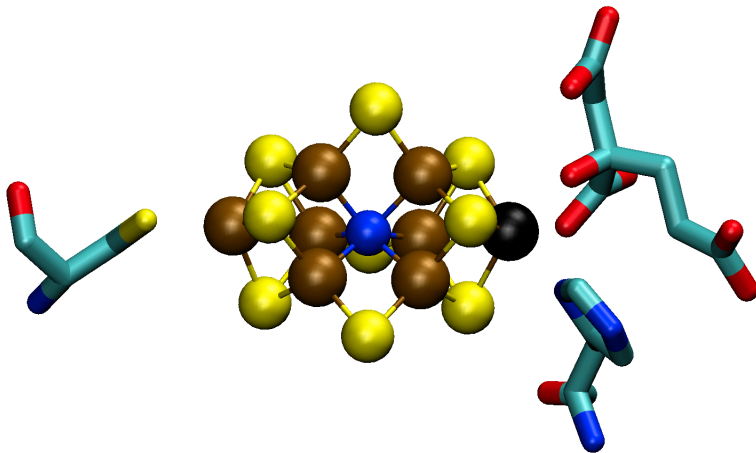
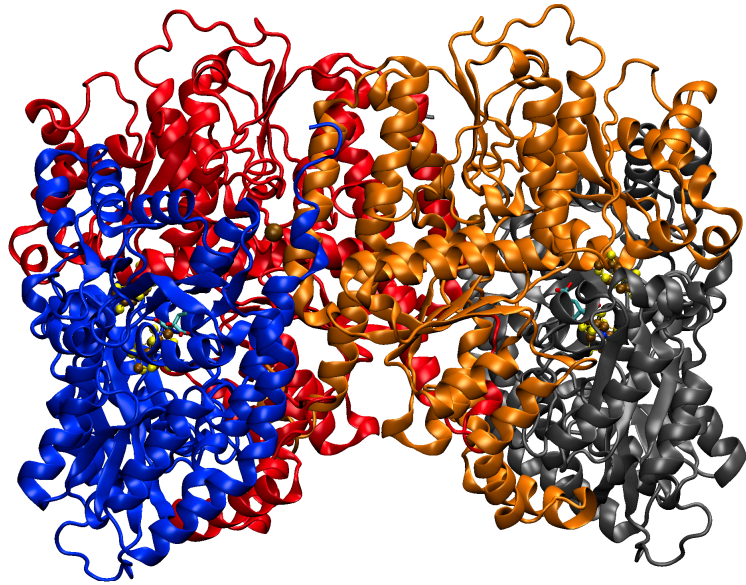


Nitrogen Metabolism

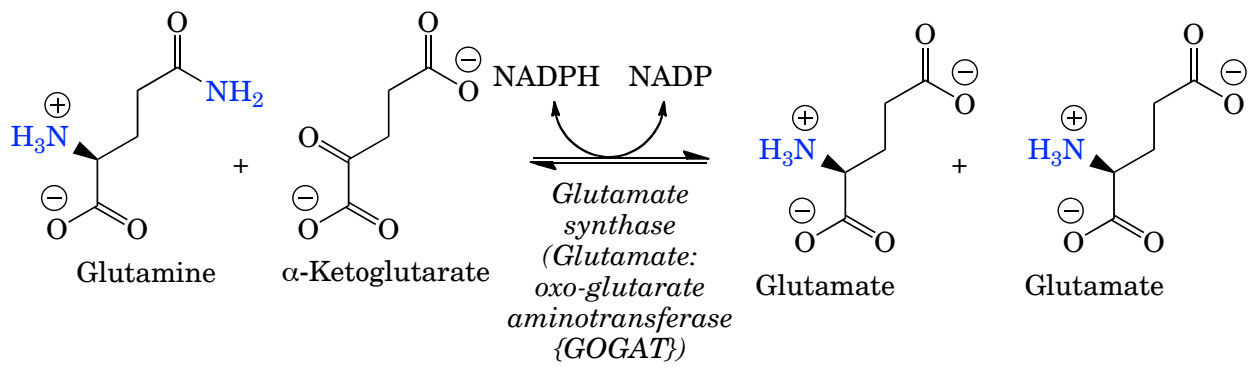
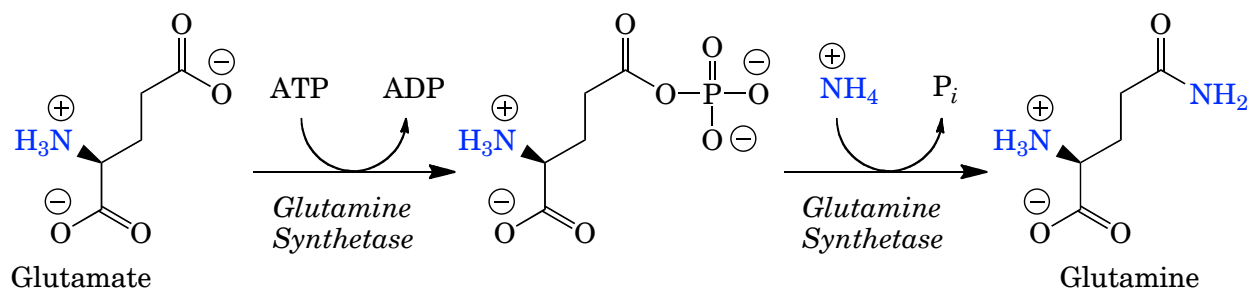
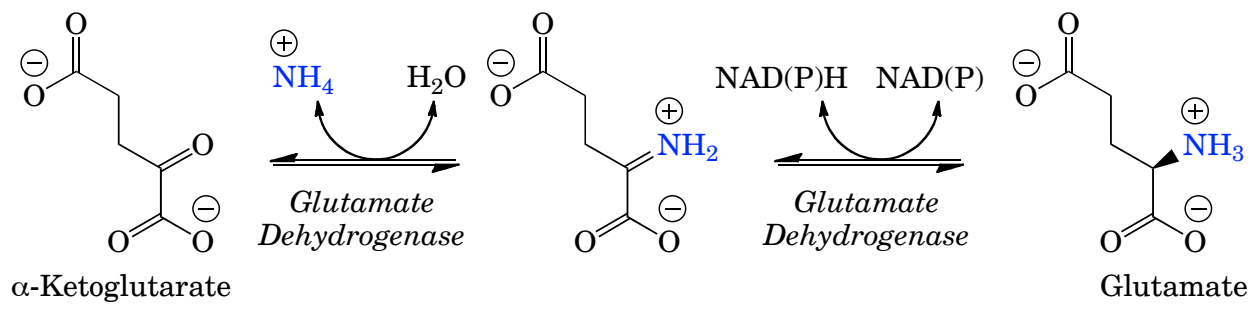




Nitrogenase from *Azotobacter vinlandii* pdb ID 1M1N

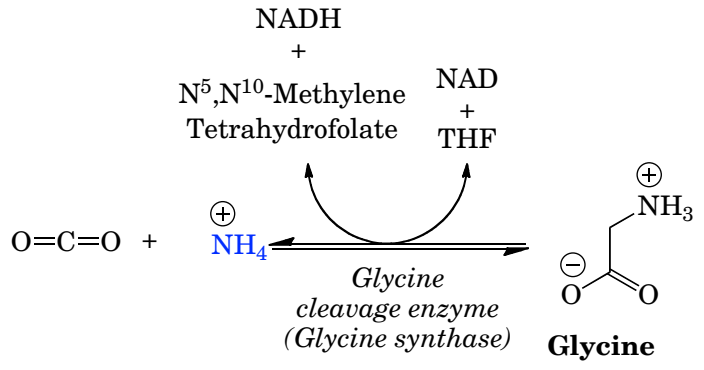


Nitrogen Assimilation

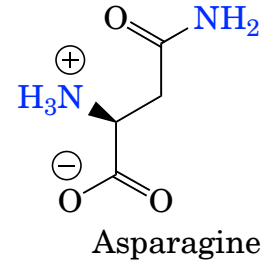
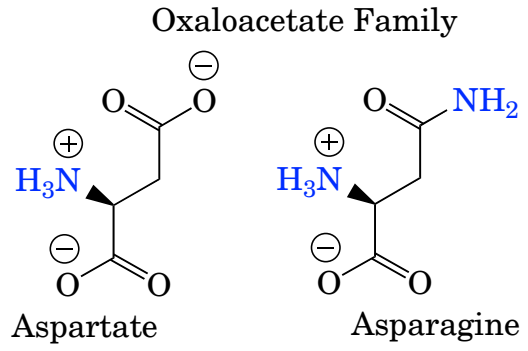
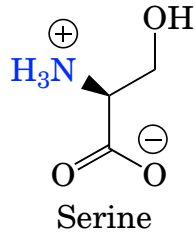
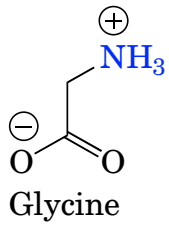


Glycine
 Alanine
 CTP
 Histidine

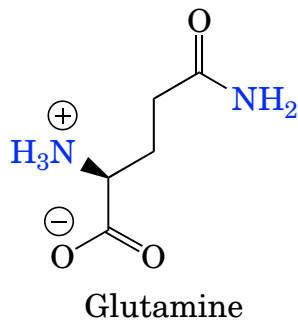
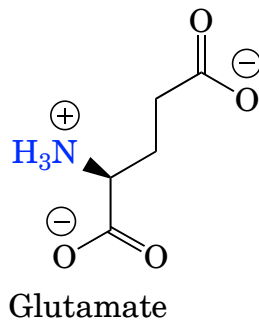
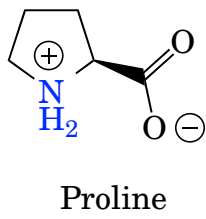
AMP
 Glucosamine-6-phosphate
 Carbamoyl phosphate



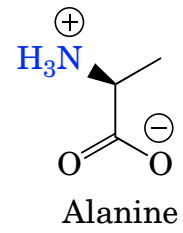
3-Phosphoglycerate Family

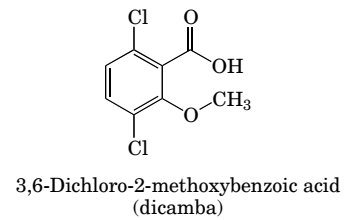
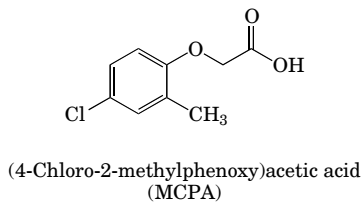
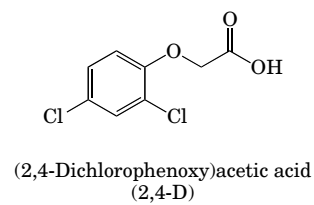
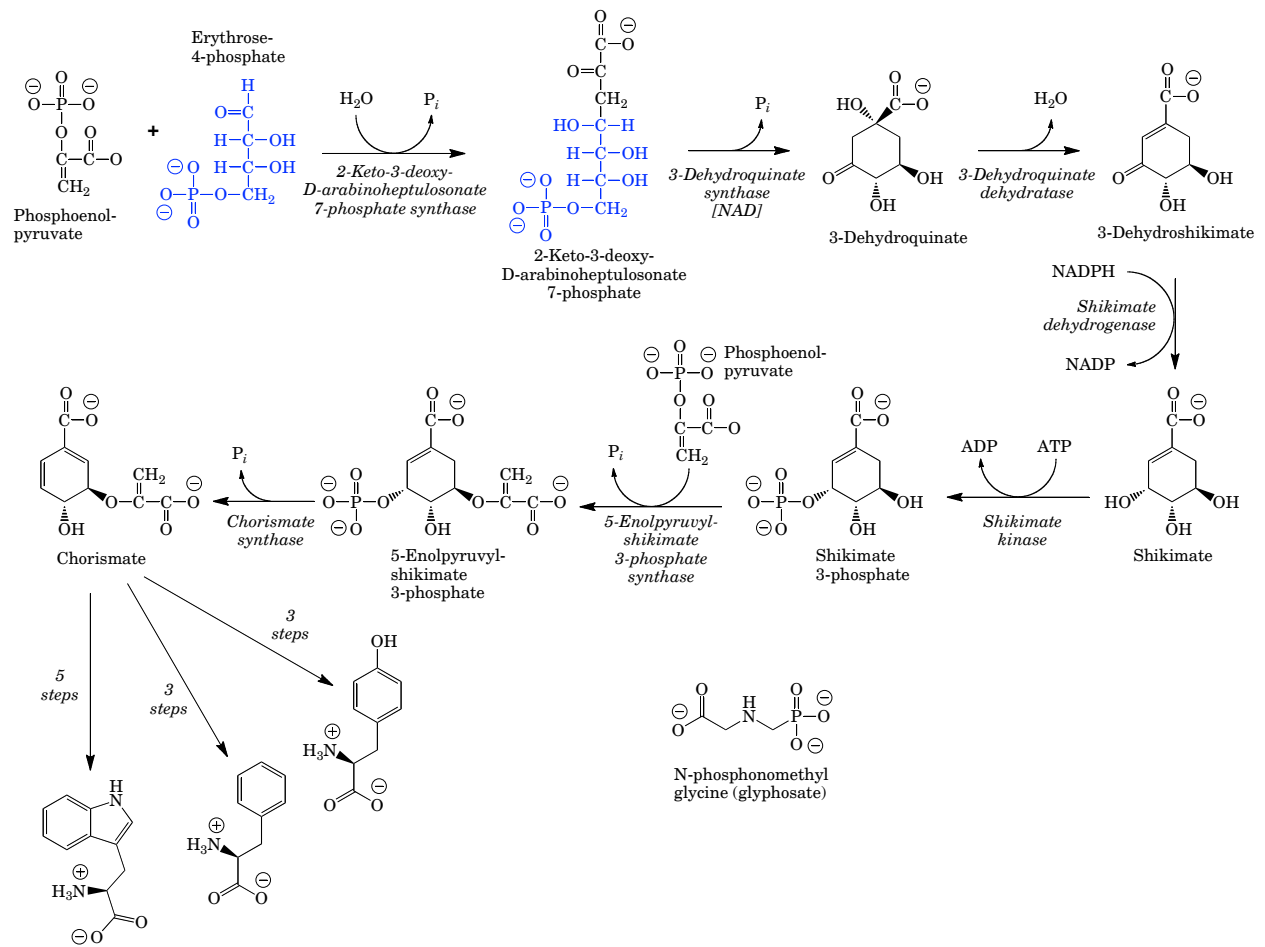


α -Ketoglutarate Family

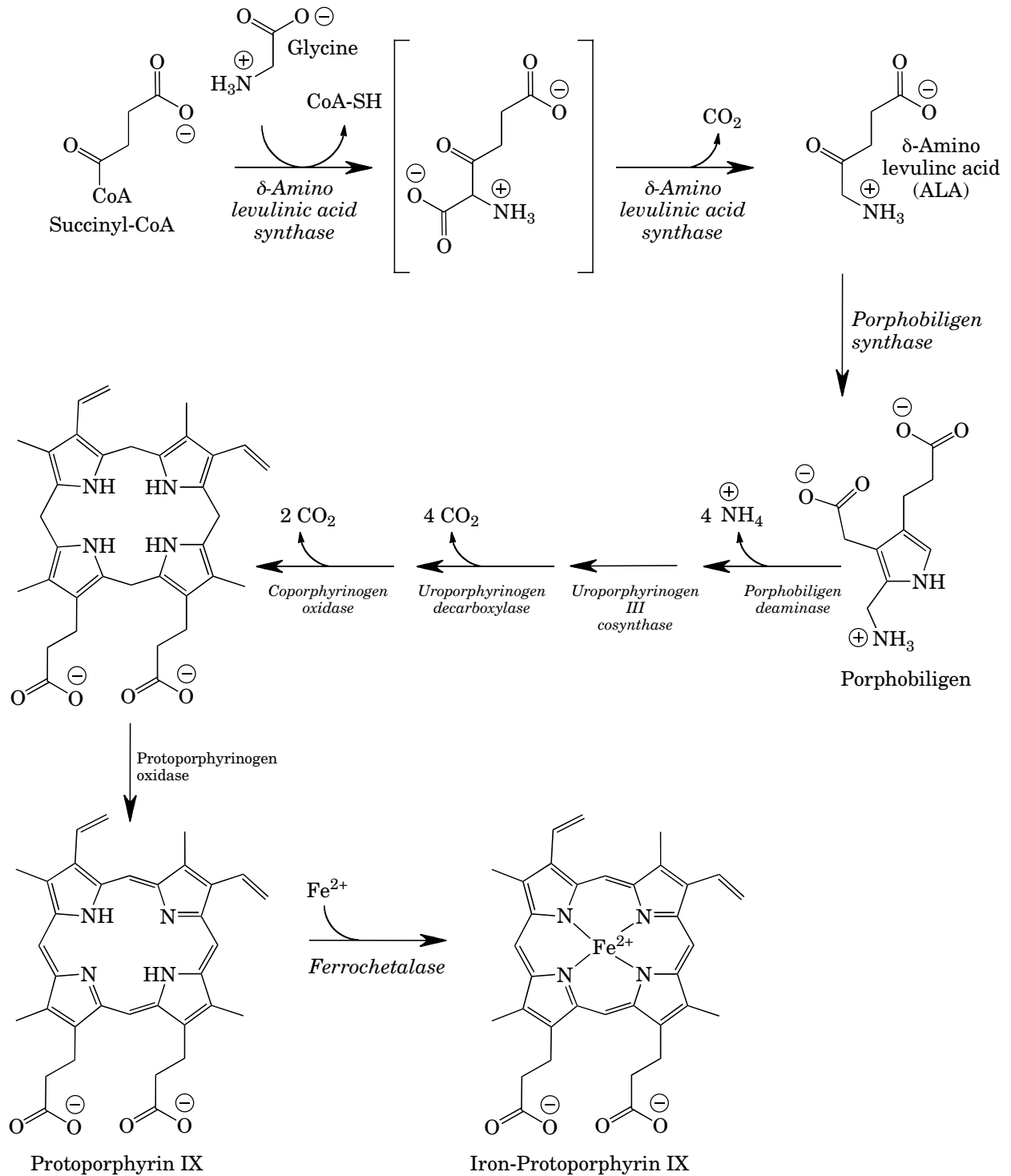


Pyruvate Family

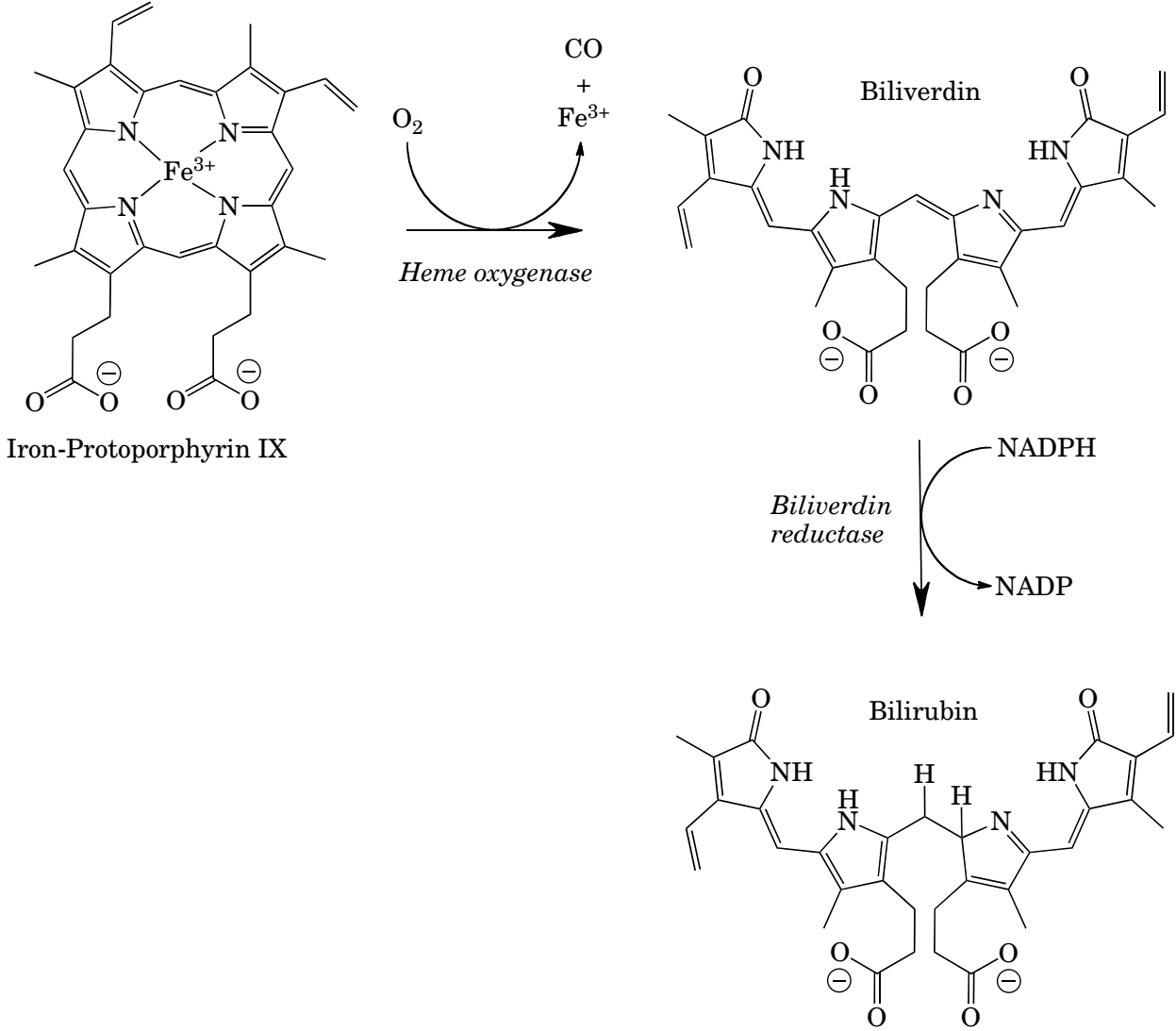


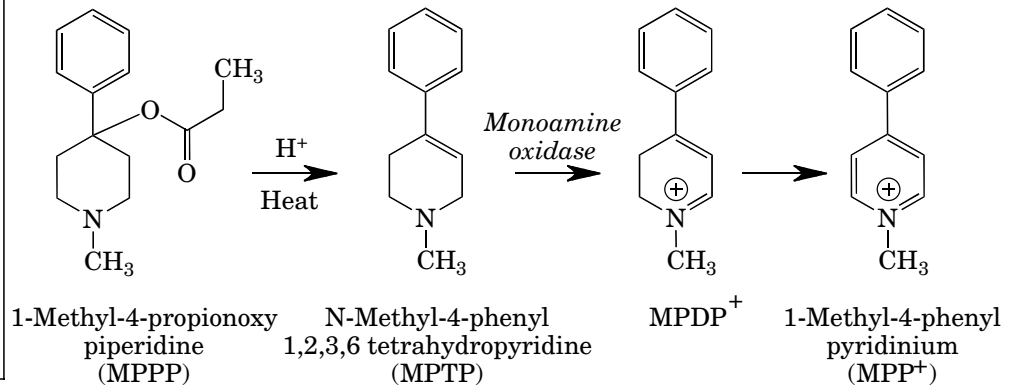
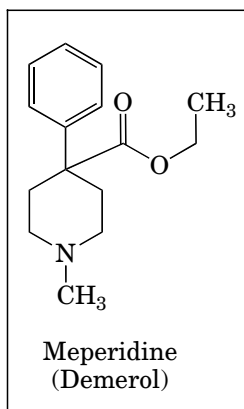
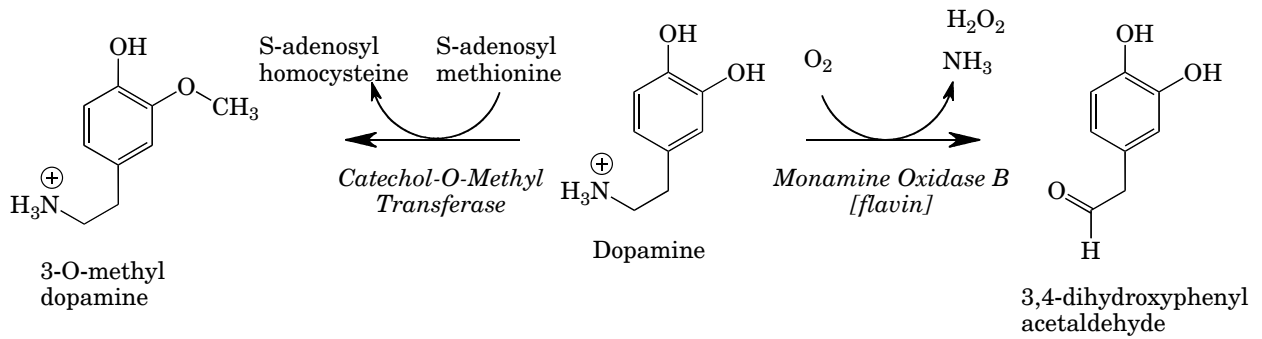
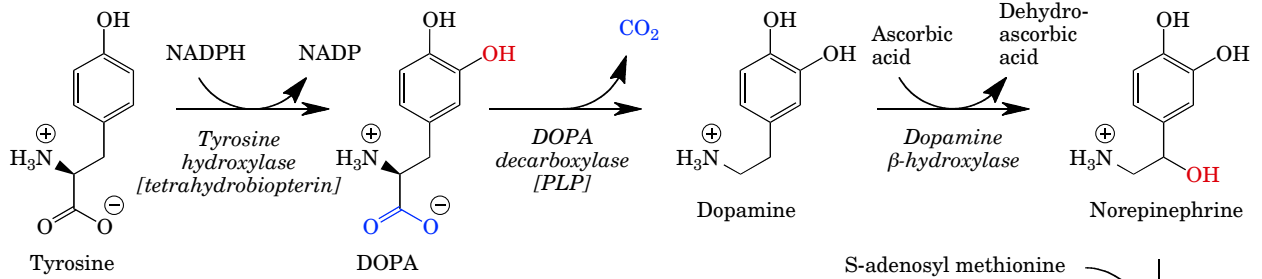


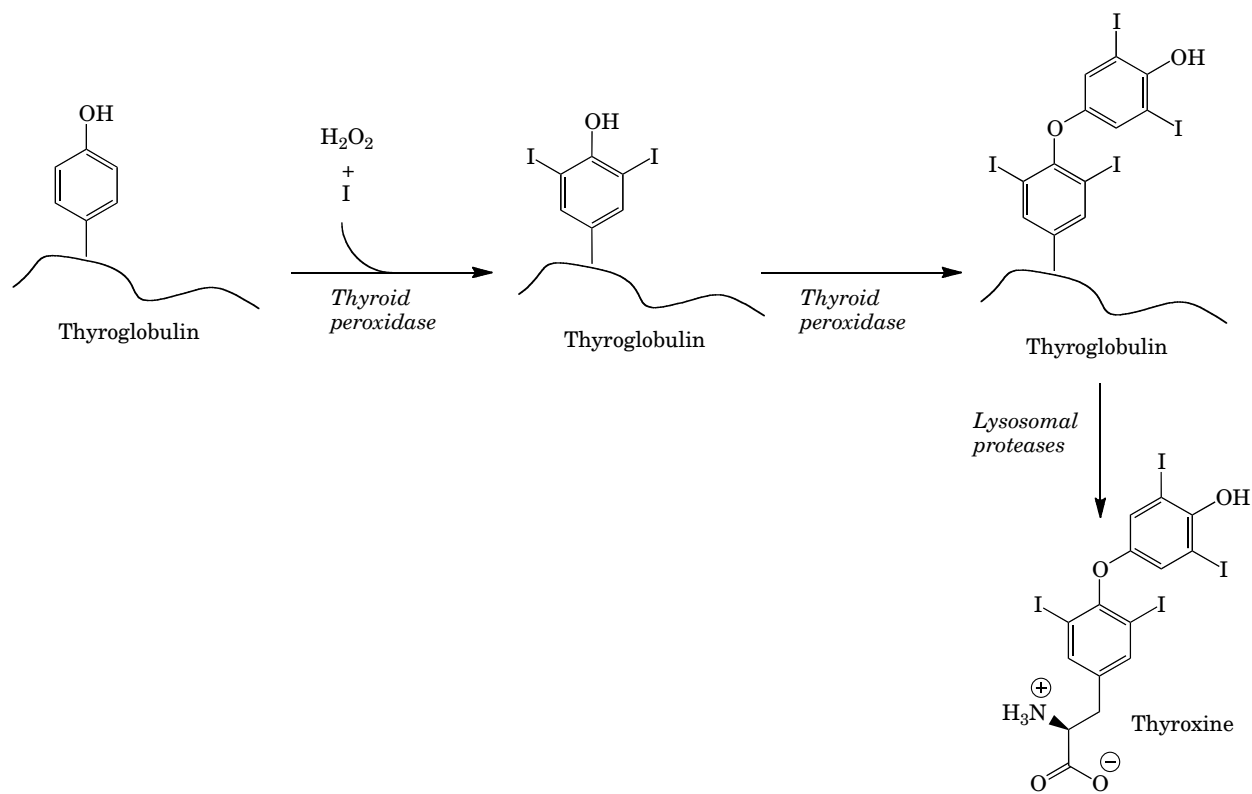
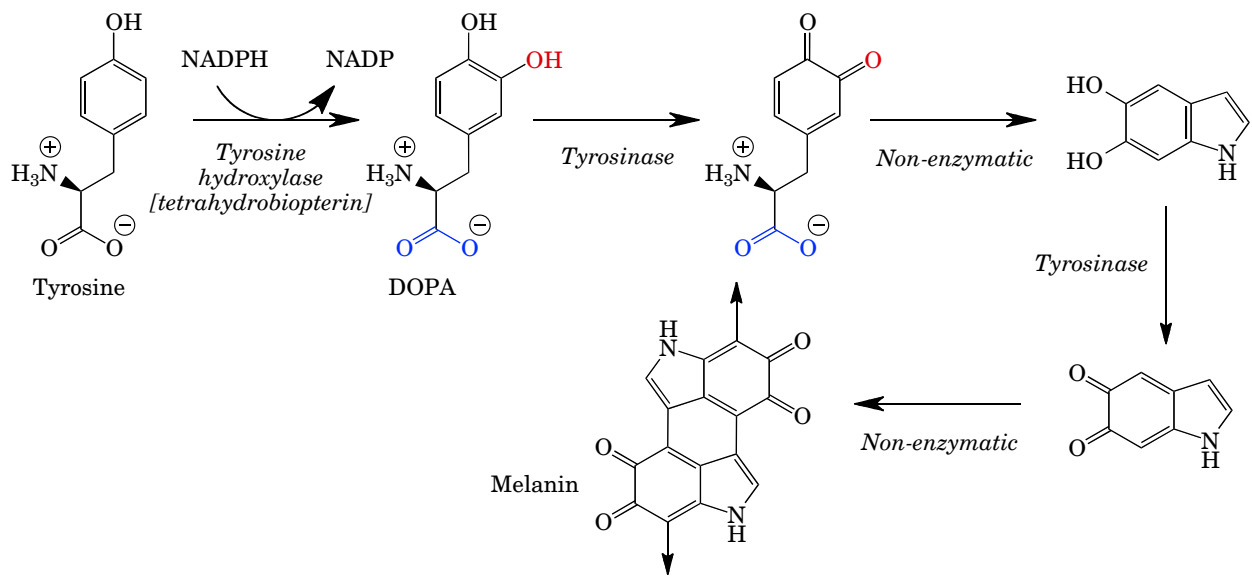
Heme Biosynthesis

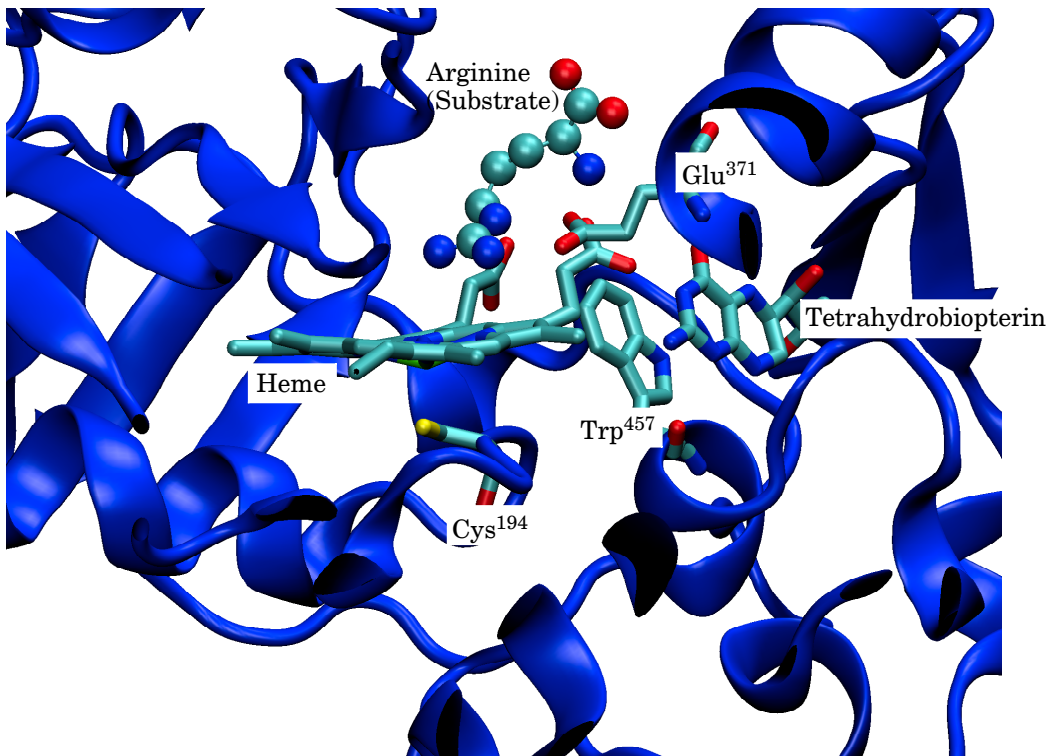
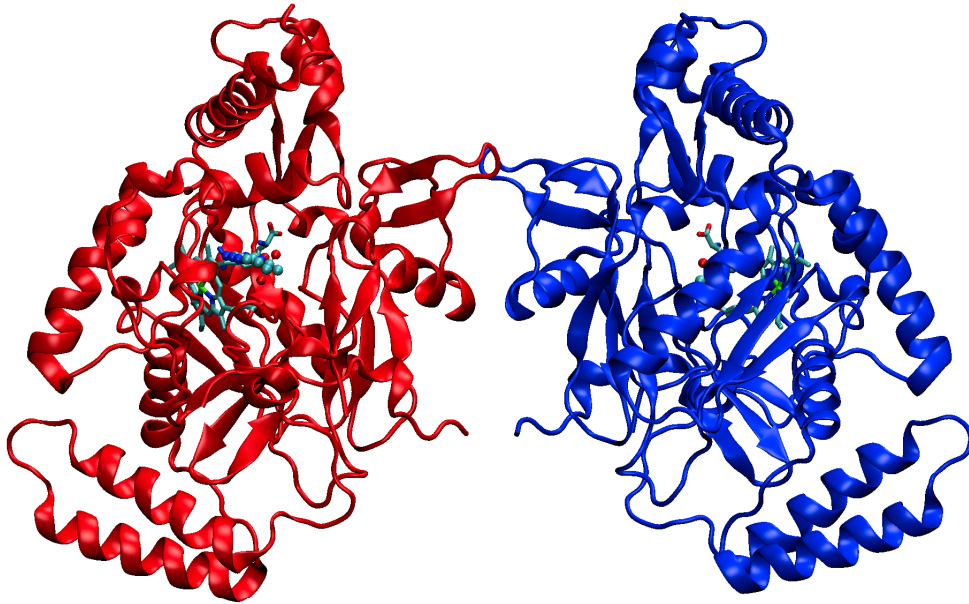
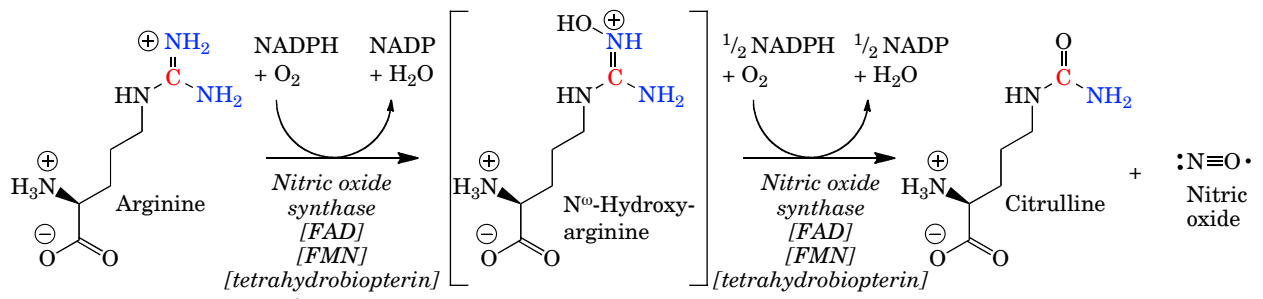


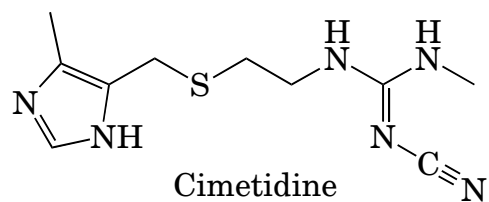
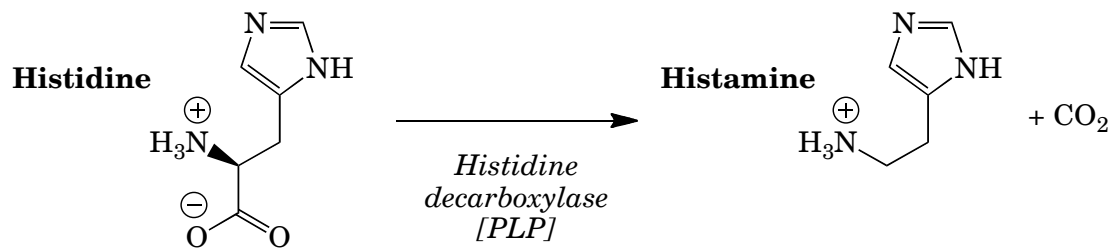
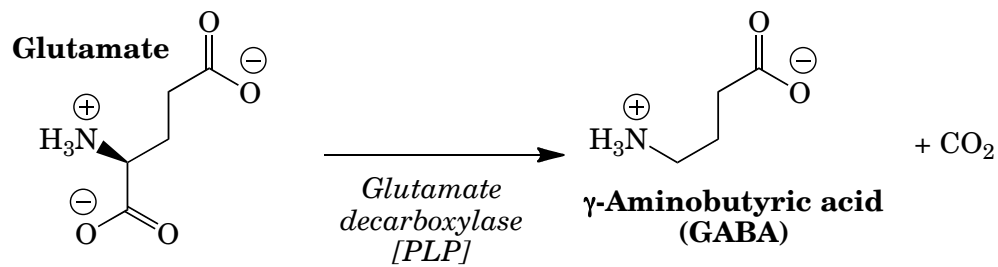
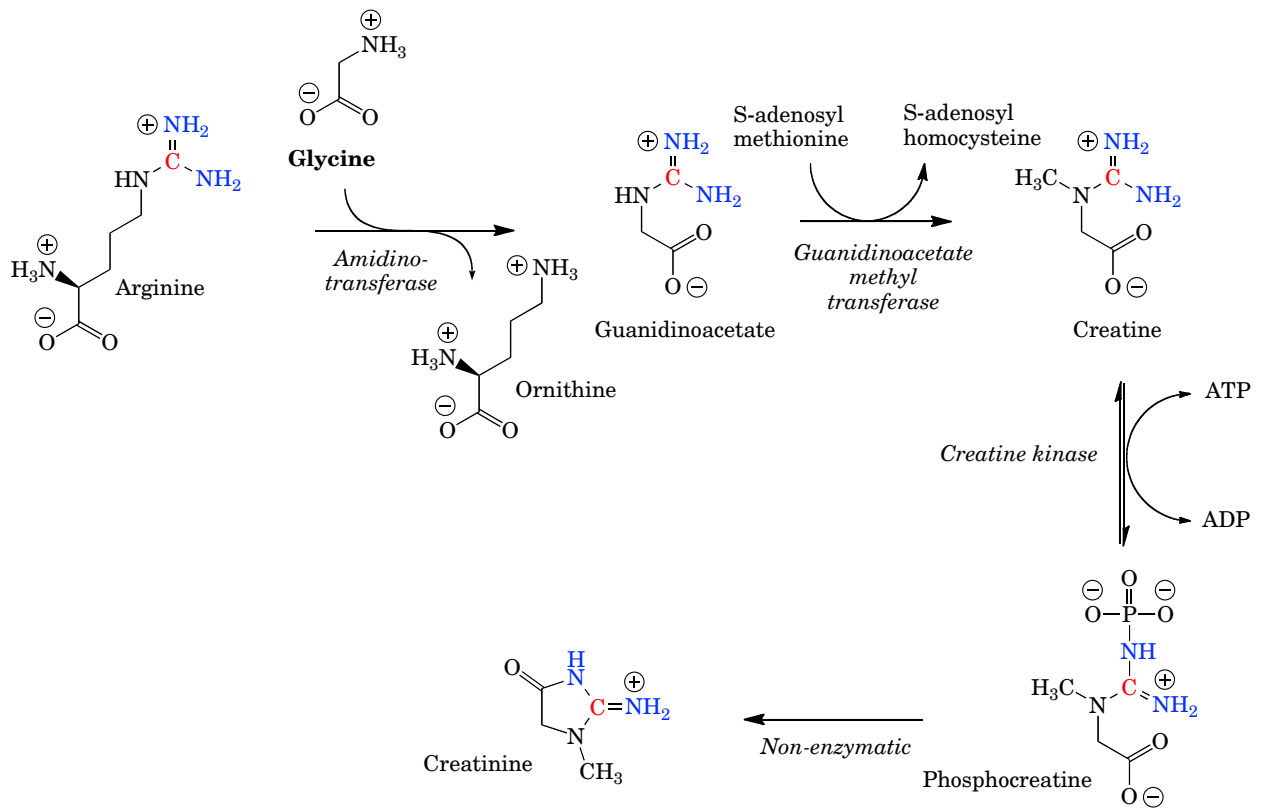
Heme Breakdown











Polyamine Synthesis

