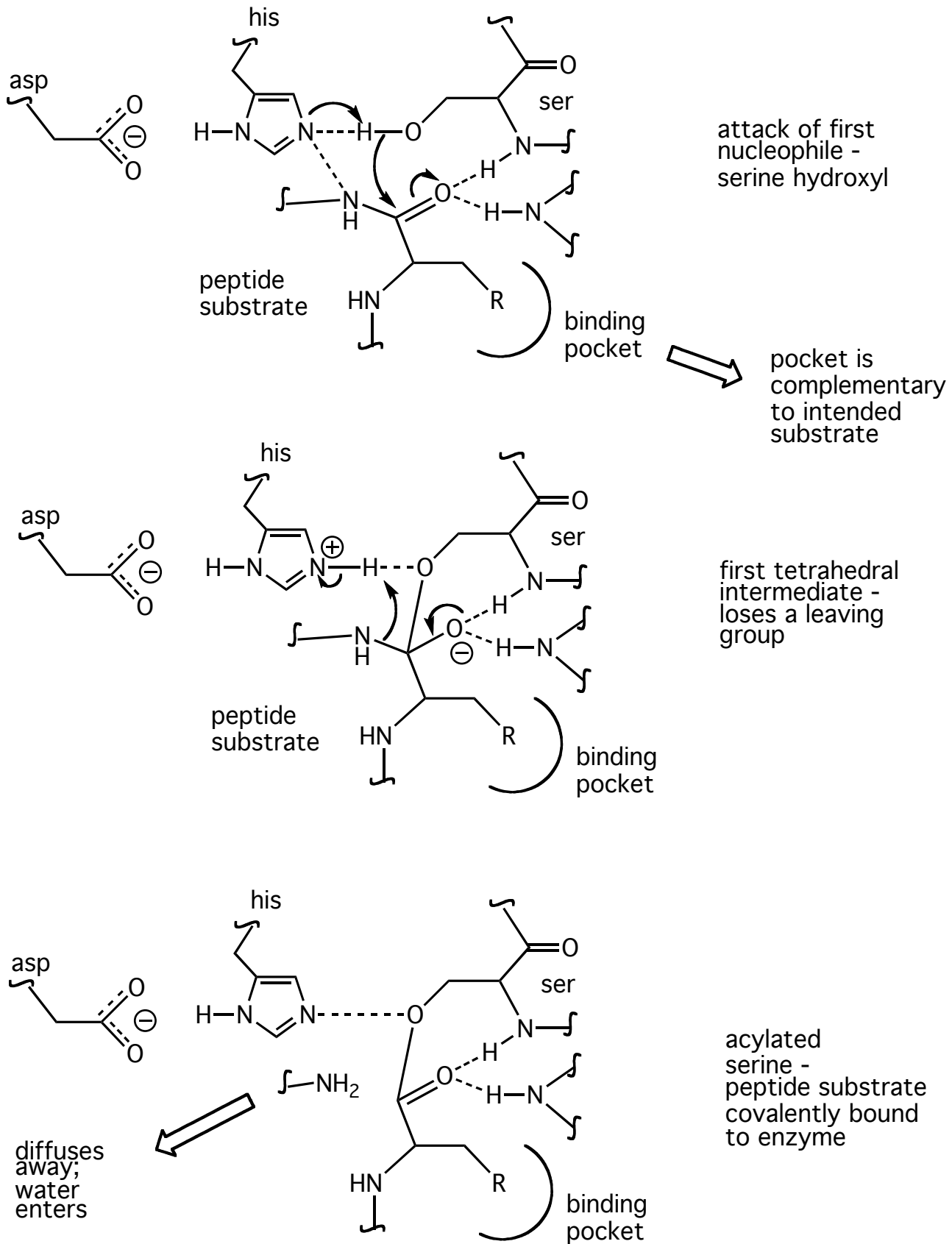
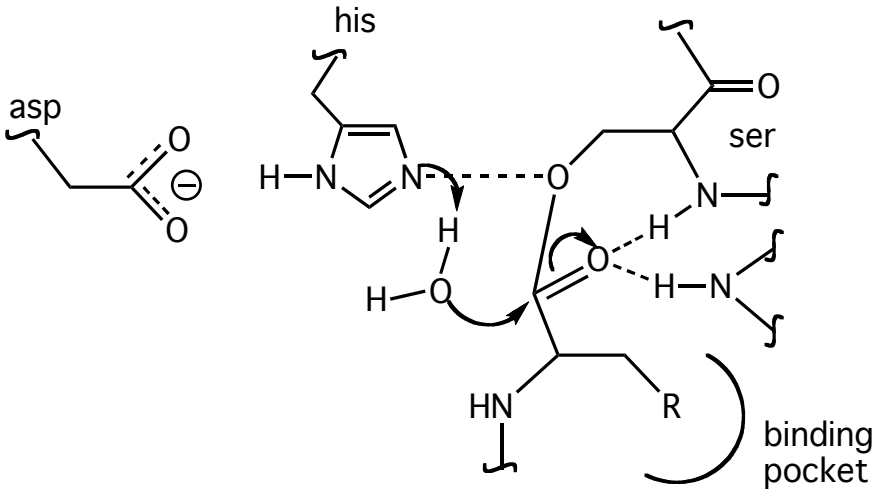
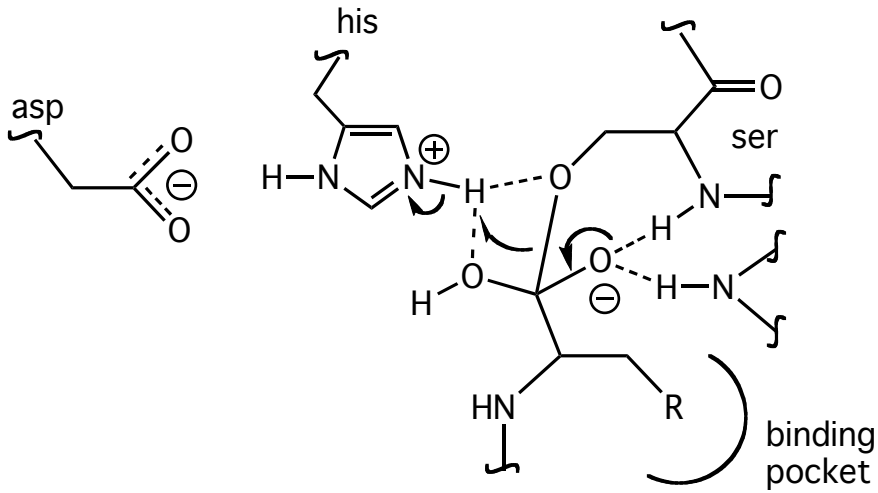


The Catalytic Triad of the Serine Proteases

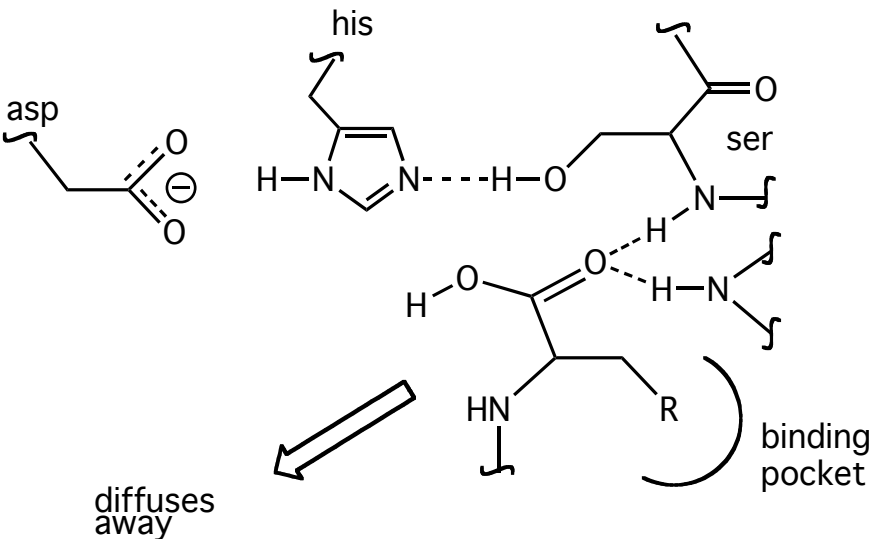




attack of second nucleophile - water



second tetrahedral intermediate - loses a leaving group



system returned to initial state (after product diffuses away)