Biochem 1 Name:

Also write your name on the other side of this page.

Draw the first tetrahedral intermediate of the serine protease mechanism. Include the catalytic triad but not the oxyanion hole.

What is the first nucleophile in the serine protease mechanism?

For one complete catalytic cycle of a serine protease, list the number of

Reactants (substrates) \_\_\_\_

Products \_\_\_\_

How many times does the protonation state of His 57 change during one catalytic cycle of a serine protease?