Biochem 1 Name:

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

Draw the first tetrahedral intermediate of the serine protease mechanism.

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

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

Products \_\_\_\_

Intermediates \_\_\_\_

Transition states \_\_\_\_

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