Quiz 23

NAME:_____

$$E + S \underset{k_{-1}}{\overset{k_1}{\Leftrightarrow}} ES \xrightarrow{k_2} E + P$$

1. Draw a sketch of what you expect to observe for a plot of initial rates verses [substrate]. Make sure to label the axes and include numerical values.

2. If "I" is a competitive inhibitor of "E" with a K_I equal to 2 uM, draw a sketch of what you expect to observe for a plot of initial rates verses [substrate] in the presence of 2 uM I. Make sure to label the axes and include numerical values.

3. Draw a proposed mechanism of inhibition schematic for I.