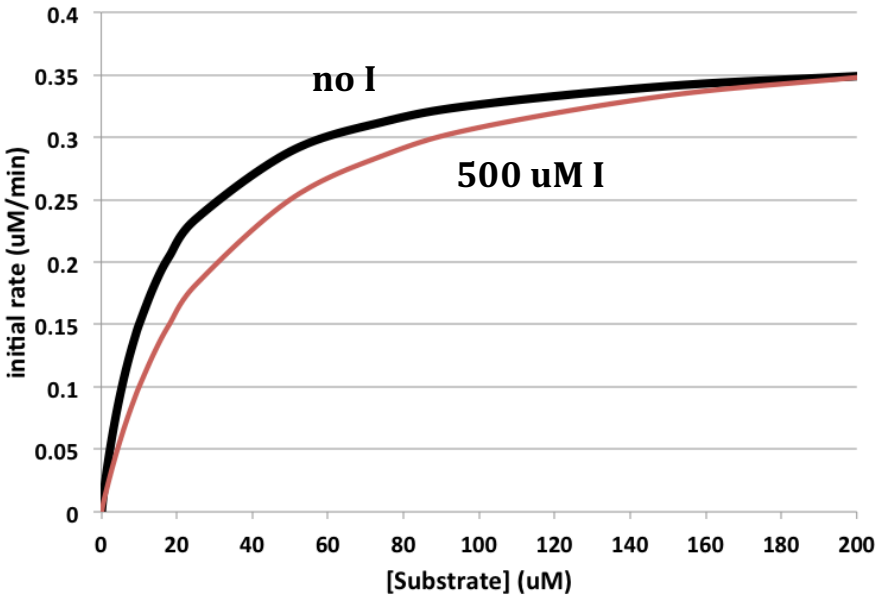
NAME:_____ Quiz 27



1. **Use the curve with no inhibitor to determine V_{max}. Include units.**
2. **Use the curve with no inhibitor to determine K_M. Include units.**
3. **Use the curve with 500 uM I to determine the $V_{\max}^{app}$. Include units.**
4. **Use the curve with 500 uM I to determine the K_M^{app}. Include units.**
5. **What type of inhibitor is I?**
6. **Write out a chemical equation that models this data.**

7. **Determine K_I where** $K_M^{app} = \left(1 + \frac{[I]}{K_I}\right) K_M$