Answer the five questions below by choosing the one, best answer.

1) The Michaelis-Menton equation describes the following:

   a) Flux conservation during fluid flow.
   b) **Enzyme assisted reaction.**
   a) Evaporation of droplet.
   b) Reaction in the reference electrode.

2) Glucose oxidase is:

   a) The analyte
   b) **Enzyme which is used, but not consumed by the reaction.**
   c) Peclet number.
   d) Size of the molecule.

3) The Michaelis-Menton equations have two rate equations. These constants can be determined most simply by the slope and the intercept of the following plot.

   a) \([v] \text{ vs } [S]\).
   b) \(1/[v] \text{ vs } [S]\).
   c) \([v] \text{ vs. } 1/[S]\).
   d) \(1/[v] \text{ vs. } 1/[S]\).

4) In a Glucose sensor, the slow diffusion of oxygen away from the electrode is reflected in the:

   a) **Relative increase in the reverse reaction at the electrode.**
   b) Faster diffusion of Glucose.
   c) Reduced concentration of Glucose at the interface.
   d) All of the above.

5) For a planar amperometric sensor, the time-exponent of the current produced in response to a step pulse is given by:

   a) 0.0
   b) 0.5
   c) -0.5
   d) 1.0

End of quiz. This quiz contains 5 questions.