

BCH 3033 Exam 3 Key and Grade Distribution**Form 1 Blue**

Multiple Choice Answers

1-e	2-b	3-b	4-a	5-b	6-d	7-a	8-a	9-b	10-d
11-b	12-d	13-c	14-e	15-a	16-d	17-b	18-e	19-b	20-d

Enzyme Question:

- Lineweaver-Burke Plot. All data had to be plotted, scales clear, axes labeled with units.
- $K_M \sim 0.1 \text{ mM}$ $V_{\max} \sim 0.5 \text{ } \mu\text{moles/sec}$.
- $k_{\text{cat}} \sim 1.6 \times 10^6 \text{ sec}^{-1}$. (Enzyme in moles to get $k_{\text{cat}} = 3 \times 10^{-7} \text{ } \mu\text{moles}$)
- $K_i \sim 6.6 \text{ } \mu\text{M}$.

Form 2 White

Multiple Choice Answers

1-b	2-d	3-c	4-e	5-b	6-c	7-d	8-a	9-d	10-e
11-b	12-b	13-a	14-d	15-a	16-d	17-b	18-e	19-b	20-b

Enzyme Question:

- Lineweaver-Burke Plot. All data had to be plotted, scales clear, axes labeled with units.
- $K_M \sim 0.1 \text{ mM}$ $V_{\max} \sim 0.5 \text{ } \mu\text{moles/sec}$.
- $k_{\text{cat}} \sim 3.2 \times 10^6 \text{ sec}^{-1}$. (Enzyme in moles to get $k_{\text{cat}} = 1.58 \times 10^{-7} \text{ } \mu\text{moles}$)
- $K_i \sim 32 \text{ } \mu\text{M}$.

Grade Distribution

Average = 48.3 +/- 18. High = 85 (more than one student !) Low = 9