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Assessments

Review Test Submission: Take home exam #1

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MCB-3421-Introduction to Molecular Evolution and Bioinformatics-SEC001-1188

User	Johann Gogarten	
Course	MCB-3421-Introduction to Molecular Evolution and Bioinformatics-SEC001-1188	
Test	Take home exam #1	
Started	9/13/18 5:33 PM late	
Submitted	9/13/18 5:40 PM late	
Due Date	9/12/18 11:15 AM	
Status	Needs Grading	
Attempt Score	Grade not available.	
Time Elapsed	7 minutes	
Results Displaye	d Correct Answers	

Question 1

Needs Grading

1. Give a one sentence description of the field known as Bioinformatics.

Correct ø Answer: Bioinformatics is the science at the intersection of Computer Sciences (informatics) and Genomics and the analysis of other biological data sets related to the acquisition of large amounts of data.

Question 2

1 out of 1 points

Bioinformatics does NOT include which of the following activities?

Correct Answer: 👩 B. Figuring out a protein structure from X-ray crystallography

Question 3

1 out of 1 points





Question 14		1 out of 1 points
Which of the	e following is NOT considered stron	g evidence for homology?
Correct Ans	wer: 🛛 😏 D. Identical function	Eg: ATP binding At pumping ATP
Question 15		1 out of 1 points
ATP, GTP, NA	D, NADP, FMN, and FAD are examp	le of what type of cofactor?
Correct Ans	wer: 🛛 😋 A. Nucleotide or modified	nucleotide
Question 16		1 out of 1 points
Assuming ec on average _	qual frequency of the different buil and nucleotide sequence	ding blocks, two random protein sequences are s are on average?
Correct Ans	wer: 🔣 B. 5% identical and 25% i	dentical.
Question 17		1 out of 1 points
How are self	-splicing introns removed from the	mRNA?
Correct Ans	wer: 🛭 😏 D. None of the above.	
Question 18		1 out of 1 points
How does Ly	vsozyme destroy the stability of the	bacterial cell wall?
Correct Answer:	✓ Lysozyme cleaves the beta 1-4 acetylmuramic acid.	glycosidic bond between NAG and N-
Question 19		1 out of 1 points
In the lysozy trimer	me structure 1HEW, the enzyme is	crystallized together with an NAG trimer. This

