

Biochemistry C785 2: OA Readiness Check 2020 – Western Governors University {A Grade}

What is the complementary sequence to 3' ATG CGA ATA 5'?

(0/1 Points)

3' TAT TCG CAT 5'

3' TAC GCT TAT 5'

The correct answer is 3' TAT TCG CAT 5'. Remember complementary means "Matching or Pairing" You have to remember to pay attention to your numbers as well as your letters (A-T, G-C, 5'-3'). The correct answer is 3' ATG CGA ATA 5' (original sequence) 5' TAC GCT TAT 3' (complementary sequence) But we asked for it in the 3' direction, so mirror answer to give correct answer: 3' TAT TCG CAT 5' If you chose 3' TAC GCT TAT 5', this is incorrect. Although the nucleotides are in the correct order, the 5' and 3' are in the wrong place. DNA strands that are complementary run in opposite directions. This means that if one strand starts with a 3', the the complementary strand must start with a 5'. If none of the answer choices give the correct answer in 5' → 3', then you need to write its mirror, which will run from 3' → 5'.

3' GAT AGC ATA 5'

5' ATA AGC GTA 3'

Which amino acid sequence would result from this Coding DNA strand? 3' ATG CAG ATA 5'?

(1/1 Points)

Tyr Val Tyr

Ile Gln Ile

Ile Asp Val

The correct answer is Ile Asp Val. We are starting at the coding strand, and have to remember the relationship between coding DNA and mRNA. These two strands are non-complementary and parallel. So we copy the coding strand, change T → U, and then write the mRNA sequence: 3' ATG CAG ATA 5' coding 3' AUG CAG AUA 5' mRNA Mirror by changing orientation: 5' AUA GAC GUA 3' Read chart Ile Asp Val (chart is in direction of 5' → 3')

Leu His Lys

Which amino acid sequence would be made from this template DNA strand? 5' TAT TAC CGA 3'?

(1/1 Points)

Tyr Tyr Arg

Ile Met Ala

Ser Val Ile

The correct answer is Ser Val Ile because 5' TAT TAC CGA 3' template is complementary and antiparallel so 3' AUA AUG GCU 5' but it is in the wrong orientation, so mirror 5' UCG GUA AUA 3' and read the chart Ser Val Ile

Ser His Gln

Western Governors University Readiness Assessment Study Guide

Claire Howell Major



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Federal Register Index ,1998 Research in Education ,1972 **Assessing Writing to Support Learning** Sandra Murphy,Peggy O'Neill,2022-11-08 In this book authors Murphy and O'Neill propose a new way forward moving away from high stakes test based writing assessment and the curriculum it generates and toward an approach to assessment that centers on student learning and success Reviewing the landscape of writing assessment and existing research based theories on writing the authors demonstrate how a test based approach to accountability and current practices have undermined effective teaching and learning of writing This book bridges the gap between real world writing that takes place in schools college and careers and the writing that students are asked to do in standardized writing assessments to offer a new ecological approach to writing assessment Murphy and O'Neill's new way forward turns accountability inside out to help teachers understand the role of formative assessments and assessment as inquiry It also brings the outside in by bridging the gap between authentic writing and writing assessment Through these two strands readers learn how assessment systems can be restructured to become better aligned with contemporary understandings of writing and with best practices in teaching With examples of assessments from elementary school through college chapters include guidance on designing assessments to address multiple kinds of writing integrate reading with writing and incorporate digital technology and multimodality Emphasizing the central role that teachers play in systemic reform the authors offer sample assessments developed with intensive teacher involvement that support learning and provide information for the evaluation of programs and schools This book is an essential resource for graduate students instructors scholars and policymakers in writing assessment composition and English education **Register of Educational Research in the United Kingdom, 1992-1995** National Foundation For Educational Research,1995 This latest volume of the Register of Educational Research in the United Kingdom lists all the major research projects being undertaken in Britain during the latter months of 1992 the whole of 1993 and 1994 and the early months of 1995 Each entry provides names and addresses of the researchers a detailed abstract the source and amount of the grant where applicable the length of the project and details of published material about the research *Government*

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web answer d if the investigating battalion chief deems it appropriate in questionable cases e g numerous injuries unusual circumstances the battalion chief shall consult with the division chief and a safety battalion chief prior to making such determination the battalion s cellular phone is appropriate for such consultation

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web jun 1 2021 tells you the battalion chief about the incident and wants to know what you are going to do about it as the supervisor in this scenario what problems and issues do you see and how would you handle the situation 14 while at a community meeting a man stands up and directs a statement to you he states the fd doesn t care about his

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