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# Review Sheet for Exam One

## A) Lecture Notes:

One - Biology: All slides except: 7,9,10,11,22,25,26, 29-32,39-41,51-52, 84-92.

Two – Bioinformatics: All slides except: 7,9,11,20-24,27,29,36-41,47-64.

Three – Pairwise Sequence Alignment: All slides except: 65 and 66.

Four – Multiple Sequence Alignment: All slides

## B) Hands-On Exercises:

Number	Topic	For the Exams
Two	Transcription-Translation	ALL - Problems 1,2,3,4, and 5
Three	Interesting Problems	ALL - Problems 1,2, 3, and 4
Four	Sample GenBank Record	ALL - Problems 1 and 2
Five	Investigating Inherited Disease	Parts A, B, C, and D (all parts except 13)
Six	Comparing beta glob	ALL - Parts A, B, and C
Seven	Beta Thalassemia	ALL – Part A, B, and C

## C) Homework Exercises:

HW	Num	For the Exams
HW	One	All - Problems 1, 2, 3, 4, 5 ,6, 7, and 8
HW	Two	All - Problems 1, 2, 3.

## D) The textbook:

See the reading guidelines for the first three chapters and Sections 4.1, 4.2, 4.3, 4.4, and 4.5.

## E) Everything we covered in class