

Name: _____ Class: _____
Date: _____ Biocom

Protein Synthesis—Transcription, Translation, and Mutations
Online Animations, Videos, and Tutorials

Animations and Interactive Games

http://www.wisc-online.com/objects/index_tj.asp?objID=AP1302 Protein Synthesis animation

<http://www.pbs.org/wgbh/aso/tryit/dna/index.html#> DNA interactive—Replication and Protein Synthesis Game

<http://learn.genetics.utah.edu/content/begin/dna/transcribe/> Transcription/Translation animation

http://library.thinkquest.org/20465/g_DNAtranscription.html Transcription Practice

<http://www.tokyo-med.ac.jp/genet/dmu-e.htm> Normal and mutated protein synthesis animations

http://www.nature.ca/genome/04/0413_e.cfm The Mighty Mutation Maker--online game explains all types of mutations using your name as an example—VERY GOOD

http://highered.mcgraw-hill.com/sites/0072556781/student_view0/chapter11/animation_quiz_3.html
Point or Substitution Mutation Animation

http://highered.mcgraw-hill.com/sites/0072556781/student_view0/chapter11/animation_quiz_4.html
Frame Shift Mutations--Additions and Deletions Animation

Videos

http://www.genomicseducation.ca/animations/gene_expression.asp Gene Expression --Quicktime Video

<http://www.youtube.com/watch?v=983lhh20rGY&feature=related> You Tube Video-- DNA Transcription and Protein Assembly

<http://www.youtube.com/watch?v=NJxobgkPEAo&feature=related> You Tube Video --From RNA to Protein Synthesis

<http://www.youtube.com/watch?v=kp0esidDr-c> You Tube --Types of DNA Mutations Video

<http://www.emc.maricopa.edu/faculty/farabee/BIOBK/BioBookPROTSyn.html> Good tutorial