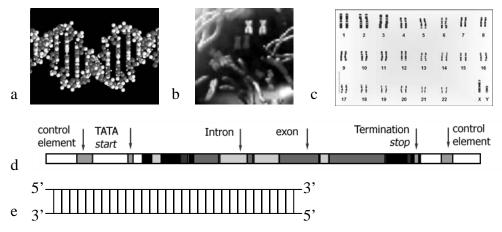
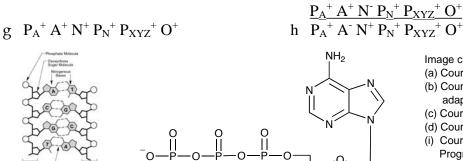
Molecular Biology Review

A. Representations



5'AACGCAAAGGCACTTCACCAGGCTTGTATATATATATATGTCGTGATGCTTCTATGCCAAAGTAAAAGGCAACACTTGAAGATTTCGTTGTAGGCC3'

f



i

1. What molecule is represented in each figure?

- 2. In figure e, what do vertical lines represent?
- 3. How do all these representations relate to each other?

4. What does the mutant nomenclature (m1, m2, etc) mean in terms of representations above?



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- (a) Courtesy of NASA, adapted by OCW.
- (b) Courtesy of the National Human Genome Research Institute, adapted by OCW.
- (c) Courtesy of the National Cancer Institute, adapted by OCW.
- (d) Courtesy of OCW.
- (i) Courtesy of the U.S. Department of Energy Human Genome Program
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All other images are by the author.

Base pairing between molecules of			
StartStopTemplateDirectionBuildingDirection ofBase pairingsignalsignalmoleculetemplateblocks/polymerizationbetweenis readmonomersmonomersmonomersmolecules of			
Building] blocks/ 1 monomers			
Direction template is read			
Template molecule			
Stop signal			
Start signal			
Done by			
Schematic			
Process	Replication	Transcription	Translation
Central Dogma	DNA		Protein