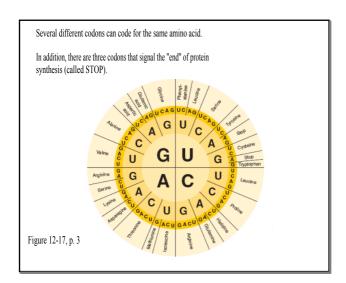


Oct 9-2:20 PM

Oct 9-2:24 PM



What does it look like in practice? (see p. 302 in TB)

The following is a DNA sequence:

TACAGCGTGCCAATT

The complementary mRNA strand would read:

AUGUCGCACGGUUAA

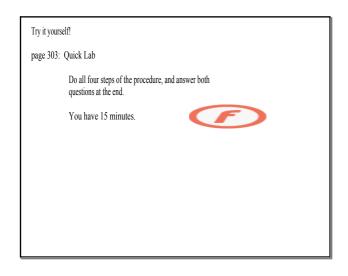
Read three bases at a time (in CODONS):

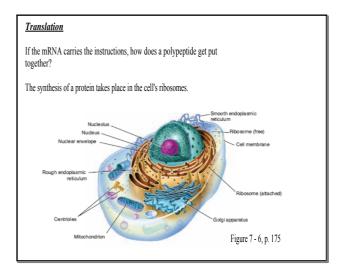
AUG - UCG - CAC - GGU - UAA

START - Serine - Histidine - Glycine - STOP

Oct 9-2:32 PM

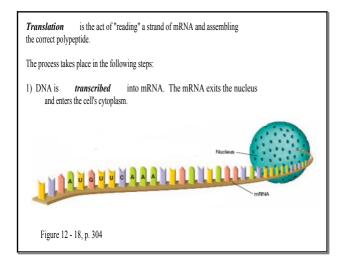
Oct 9-2:33 PM





Oct 9-2:39 PM Oct 9-2:42 PM

1



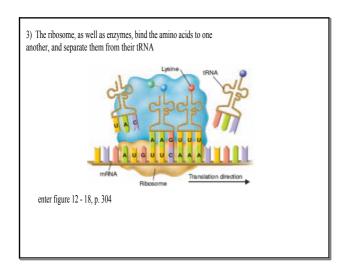
2) An mRNA stand attaches to a ribosome. Each codon of the mRNA moves through the ribosome. As each is "read", the appropriate amino acid is added to the polypeptide chain by a strand of tRNA.

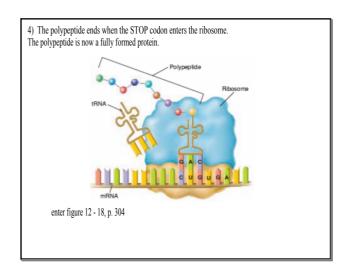
Each strand of tRNA carries a specific amino acid, and is matched to a specific codon by it's anticodon (three complimentary nucleotides).

Phonylularing FRNA

Figure 12 - 18, p. 304

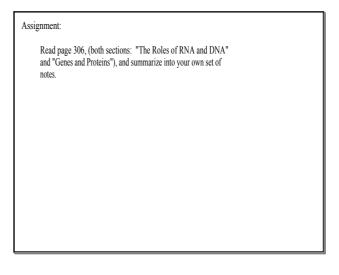
Oct 9-2:48 PM Oct 9-2:52 PM





Oct 9-2:55 PM Oct 9-2:57 PM





Oct 9-2:59 PM Oct 9-3:03 PM

2