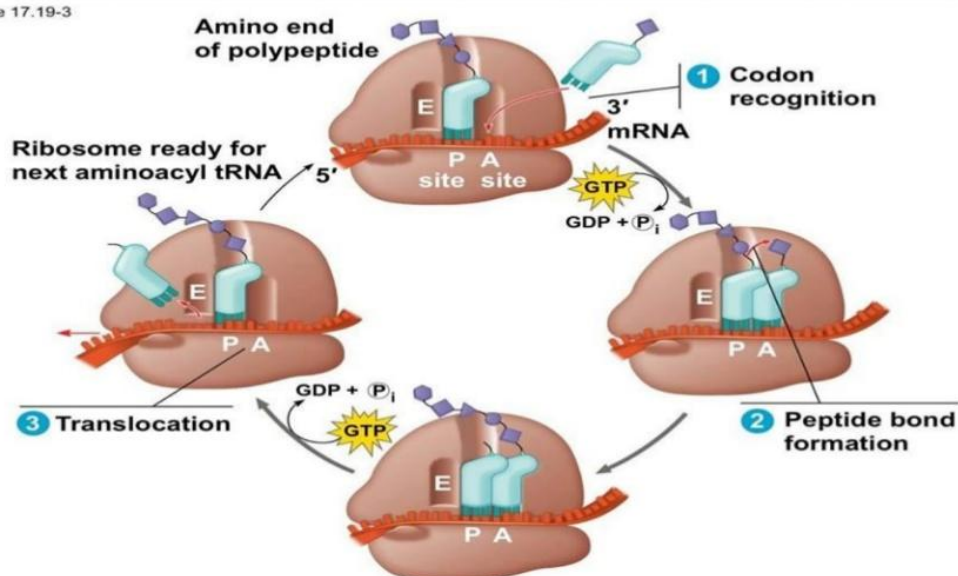


# Elongation

- With the formation of 70s initiation complex the elongation cycle can begin
- It involves three elongation factors EF-Tu, EF-Ts and EF-G, GTP, charged tRNA and the 70s initiation complex

Figure 17.19-3



# Termination

- Termination of translation happens when the A site of the ribosome faces a stop codon (UUA, UGA or UGA)
- When this happens , no tRNA can recognize it, but a releasing factor can recognize the stop codons and causes the release of polypeptide chain
- In prokaryotes once a stop codon occupies the A site, three termination or release factor (RF1,RF2,RF3) contribute to the hydrolysis of peptidyl-tRNA bond

Cont....

