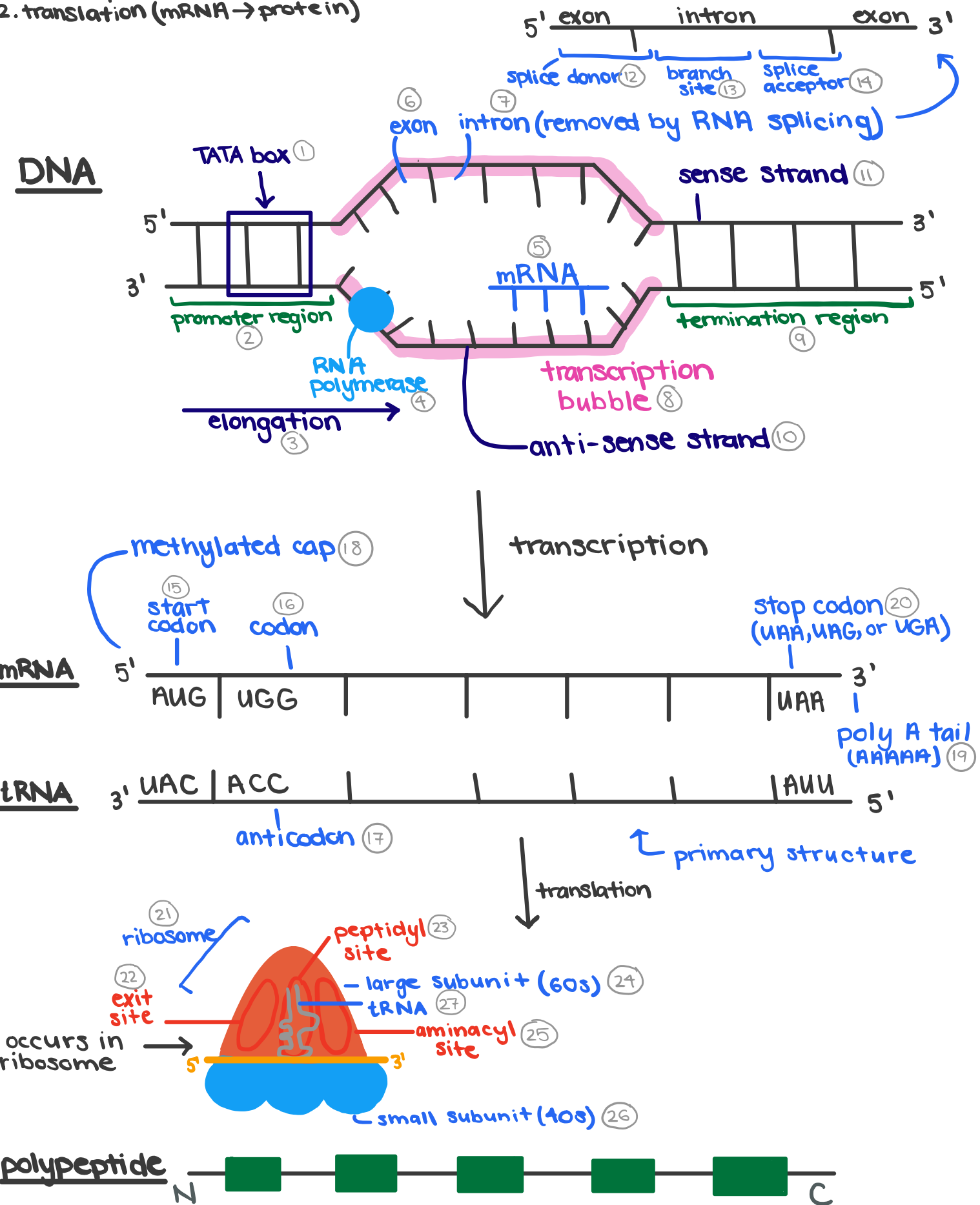


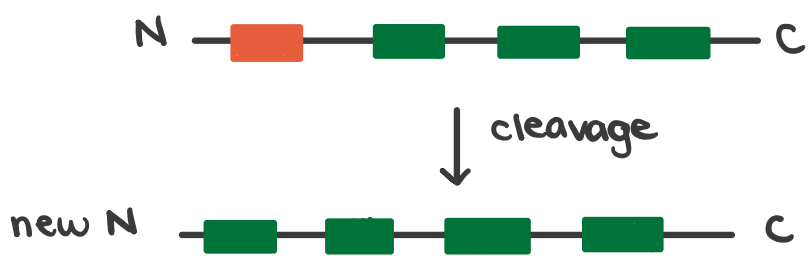
# the central dogma: gene expression diagram

- 1. transcription (DNA → mRNA)
- 2. translation (mRNA → protein)



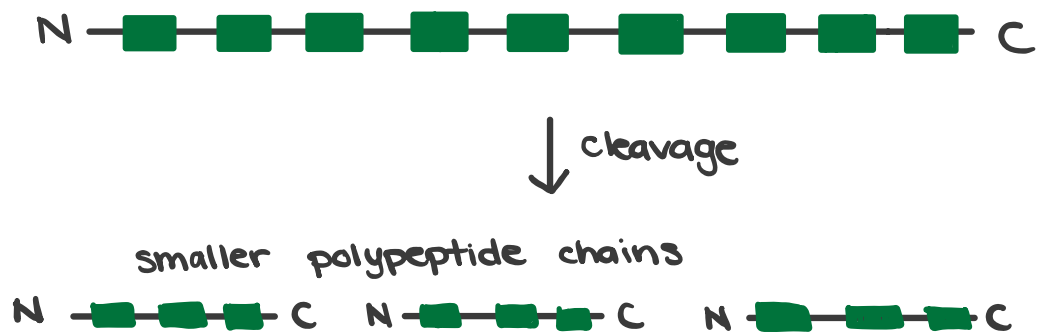
post-transcriptional processing steps:

1. N-terminal Met removal

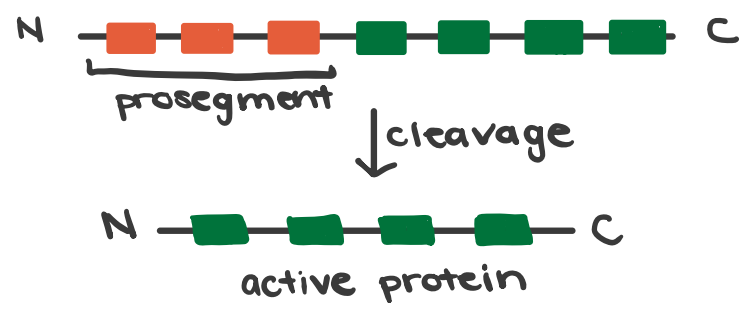


\*not all polypeptide chains start with Met

2. polyprotein processing



3. zygomen activation



\*other chemical substituents may be added (phosphorylation, glycosylation, lipidation, ubiquitination)