**Gene structure and expression in eukaryotic cells**



"[Eukaryotic and prokaryotic gene structure](https://commons.wikimedia.org/wiki/File%3AGene_structure_eukaryote_2_annotated.svg)" by Shafee T, Lowe R from WikiJournal of Medicine 4(1) with a CC-BY license.

1. Label where in a cell each step occurs (nucleus or cytoplasm?)
2. Label when splicing takes place
3. Label where transcription starts and where translation starts
4. Explain the function of:
* The promoter
* The enhancer
* The exons
* The 5’ cap
* The poly(A) tail
1. Does the picture above show an operon? Why or why not?