

1 | Transcription

- Polymerase
 - The thing that copies it over
- Promoter
 - The structure that chooses which genes to copy
- Coding Region
 - The area of DNA to be copied
- mRNA
 - What the polymerase outputs (DNA copy inverse)
- Terminator
 - The tail end of the coding region that folds making the RNA fall off
- This creates the mRNA and the siRNA and tRNA

2 | Outside signals

- Signals to outside receptors create positive or negative transcription factors
 - These can be activated by internal signals
 - positive transcription factors allow for and encourage transcription
 - negative transcription factors cause the release of a molecule that take the slot of polymerase shutting down the gene and not allowing for transcription

3 | Mutations

- There are different types of mutations such as a substitution mutation
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