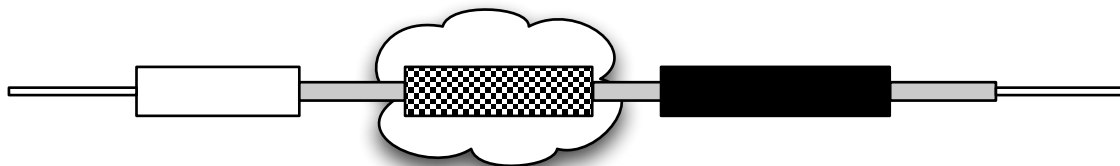


DNA:



Transcription occurs with factor bound to DNA



mRNA:




RNA transcript: serves directly as mRNA in prokaryotes; processed to become mRNA in eukaryotes



Translation

Polypeptide:




 intergenic

 intron

 Enhancer DNA

 Gene

 Transcription Factor