



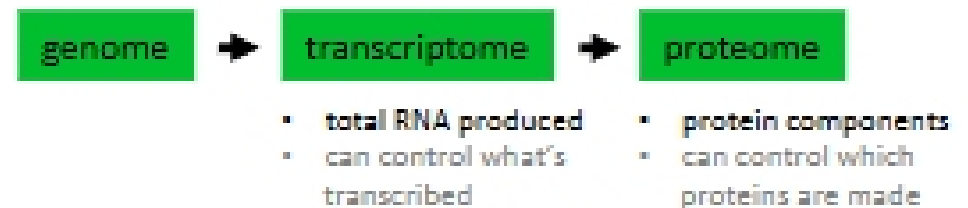
Basal Transcription & Regulation of Transcription

Lecture 4

Basics of Regulation

- 2 general levels of gene regulation:

1. transcription
(RNA synthesis)
2. translation
(protein production)



Euks. Have 3 RNA Pols.

- RNA pol. I
- **RNA pol. II**
 - transcribes genes that encode proteins
 - all protein-coding genes, plus: snoRNA genes, miRNA genes, siRNA genes, & most snRNA genes
- RNA pol. III