## Transcription

- Conversion of Deseto RNA
  Not all DIVA is soopled

  - Specific regions corresponding to genes
    - Encode proteins or structural RNA molecules
  - First step in protein production in the general scheme:

 $DNA \rightarrow RNA \rightarrow Protein$ 

## RNA polymerase

- Three different typesed RNA need to be synthesizeth Notes 24 preRNA, tRAUP and mRNA
- One RNA polymerase responsible for RNA synthesis in prokaryotes
- Multi-subunit enzyme
  - Molecular weight approx 450 KDa
  - Holoenzyme  $\alpha_2, \beta, \beta', \sigma, \omega$
  - Core polymerase  $\alpha_2, \beta, \beta'$

## 3 steps in transcription

- Initiation Notesale.co.uk

- Initiation Notesale.co.uk

- Termination

