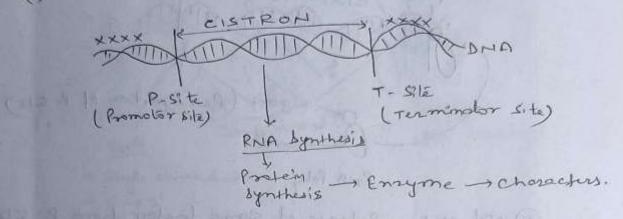
TRANCRIPTION: BASIC CONCEPT

TRANSCRIPTION

(Coding) - DNA dependent RNA synthesis

(1) RNA synthesis is templote dependant.



CISTRON (By Benzer)

- Cistron is the unit of function.

- A segment of DNA which is used as template to control PNA synthesis.

- Area of DNA located between P-site and T-site which is need to control Transcription.

(2) RNA synthesis also requires catalyst ->
RNA Polymurase (A group of Polypeptidus.

Division of Labour - RNA Synthesis

DIN step - Initiation - RHA Poly binds on P- site

POLISTRON

Sigma (Recognition of P-site)

Core

FNA Poly

2 2nd step -> Release of sigma factor from P- site

ort feelor

B 3nd step > Poly I = Templete } mostine strand

Poly I = Templete } mostine strand

Poly II = Iment } Comp - stronds

Poly II = Inust } Comp - strong

Non-functional

- The two stronds of DNA one separated in the cistron area.
- Only one strong of DNA is used as template during transcription (Master strong)

