The linkinger of RNA are the same as that

2' position has - OH instead of - H

Thymine how methyl group, waci (does not.

everything abo is the same

Why then dowe have weacil in RNA and not in DNA? Usacil in perent - addits addition of methyl group makes they mine.

This is a way of mutation of DNA.

It this happens in DNA, the depairs me chanism can fix it as usacil is supposed to be in DNA.

Hand G cem bond wing H bonds - they are weak. Also Kuownas wobble pairs.

RNA conform différent 3D squetures due toits double helical characteristics

- 1 7'- methyl quourosine 5' cap's put on the precursor-MRNA after tram cuption during transcription.
- 1 Poly -(A) tail is put after terms cription
- (3) Introns are removed

 After there are close, RNA leas leaves nucleus for teamslation in cytosol.

> Protects RNA facom RNASE

Shuttle proteinsalso bind to them and piggyback them across nucleur pore. Promoter translation.

Cin-Damemolecule, trans-another molecules nothing to do with stere other itany. Ribo switcher our sugions where small unsheale ligands come and find and causes com conformational change in RNA to stop subosome from binding.

Why not just stop at tream criptim?

MRNA has finite half life - if it gramains in cells and produces powers. If you wellway term shutdown, transociption shutdown in good. Otherwise for quick shutdown, Jubo switches are good.

Riboswitches can also change halflife by making RNA seve susceptible to RNA se.

MicroRNA actionlyon RNA and prevents translation. IncRNAis more varied -

- Objudto downo some it got colled from to stop transcription (cir)
- (1) bind to other charcomo rome site (+Praus)
- 3 Interferes with Polysome.

PARNAIAN RNA-protein complex. RNASE Pis an RNA, while RNASE Diraprotein.