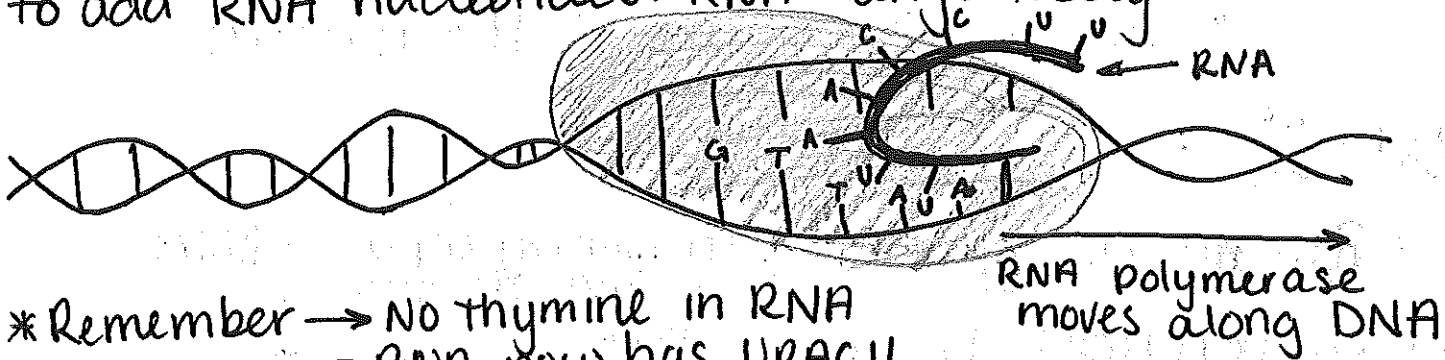


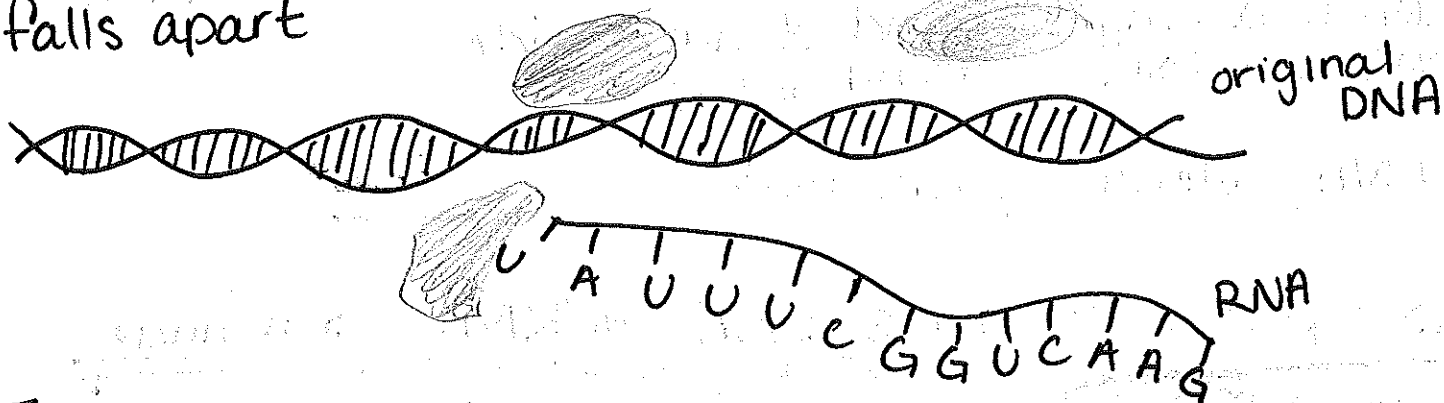
✓ Where does transcription occur? _____

② RNA polymerase uses 1 strand of the DNA template to add RNA nucleotides. RNA hangs freely as DNA unzips



* Remember → No thymine in RNA
- RNA now has URACIL
- RNA is 1 strand

③ RNA separates from DNA and the transcription complex falls apart



Transcription makes 3 types of RNA

1. messenger RNA (mRNA): message translated to make proteins
2. Ribosomal RNA (rRNA): forms part of ribosomes (protein factory)
3. Transfer RNA (tRNA): brings amino acids from cytoplasm to help make growing proteins

Summary:

- occurs in nucleus
- Transcription makes RNAs (mRNA, tRNA, rRNA)
- RNA polymerase adds nucleotides (uracil no thymine) to growing RNA (single strand)