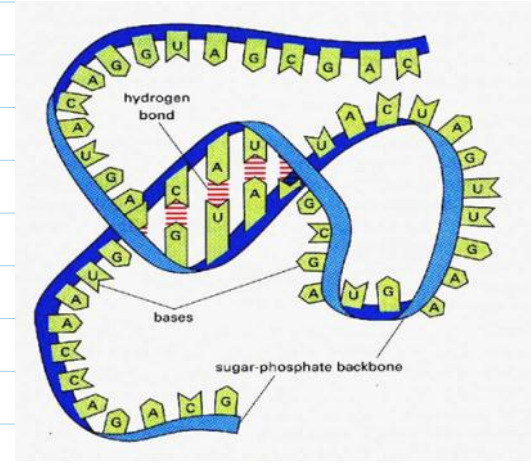


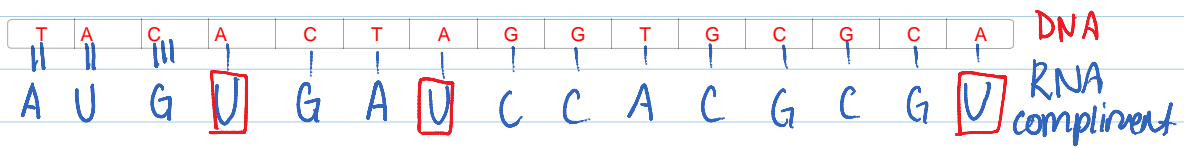
# (Ribonucleic Acid)

Like DNA, RNA molecules have a similar chemical organization, consisting of nucleotides

- Single stranded
- 5 Carbon sugar (ribose)
- Phosphate
- Nitrogenous bases:
  - Adenine = Uracil
  - Cytosine = Guanine



- Acts as a messenger between DNA and ribosomes
- Carries out the process of building proteins from amino acids
- 3 types
  - ↳ mRNA (messenger)
  - ↳ rRNA (ribosomal)
  - ↳ tRNA (transfer)



	DNA	RNA
SUGAR NAME	deoxy-ribose	ribose
BASES	A=T C≡G	A=U C≡G
NUMBER of STRANDS	2	1
MOLECULE SHAPE	double helix	single stranded
LOCATION	Nucleus	nucleus, cytoplasm
RELATIVE SIZE	very large	smaller
KINDS OF MOLECULES	1 type	3