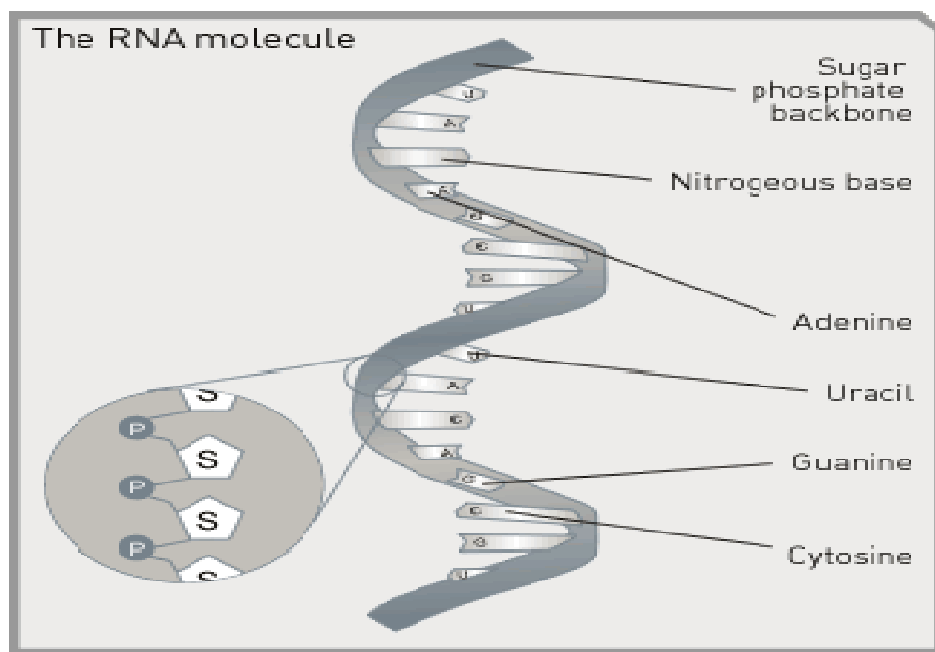


RNA is a nucleic acid.

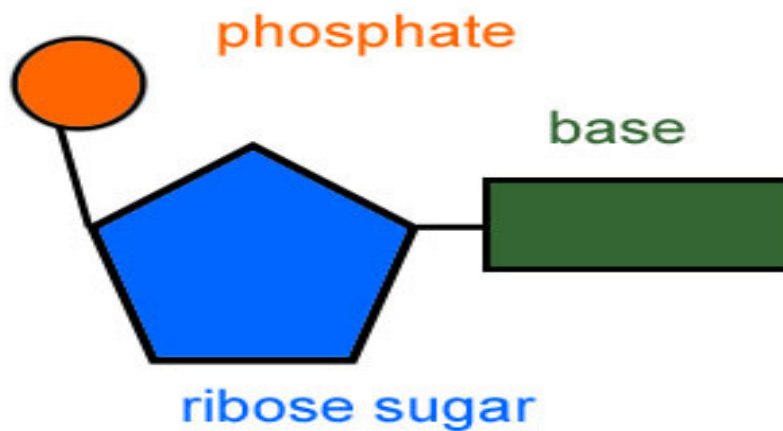
RNA stands for ribonucleic acid.

Unlike DNA, RNA is a **single** strand of nucleotides.



RNA is also made up of nucleotides

A nucleotide consists of a sugar, a phosphate, and a base.



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In DNA, the sugar is deoxyribose.

In RNA, the sugar is ribose.

The hand rail of RNA is made of **sugar** (ribose) and **phosphate** molecules.

RNA has **uracil (U)** instead of thymine (T).

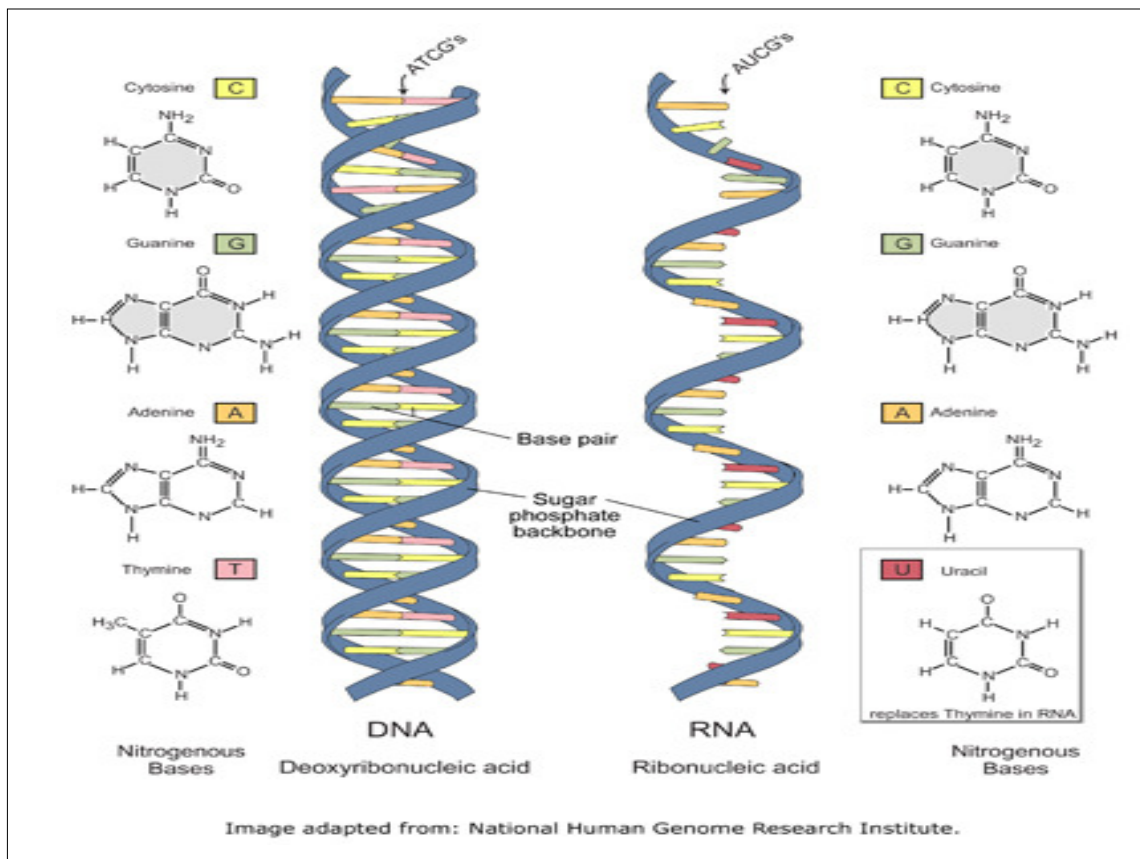
The steps of the ladder are made up of **nitrogen bases** (A,U,C,G).

A- **Adenine**

U- **Uracil**

C- **Cytosine**

G- **Guanine**



How is DNA different from RNA?

1. DNA is double-stranded + RNA is single-stranded.
2. DNA has deoxyribose + RNA has ribose
3. DNA has thymine + RNA has uracil.