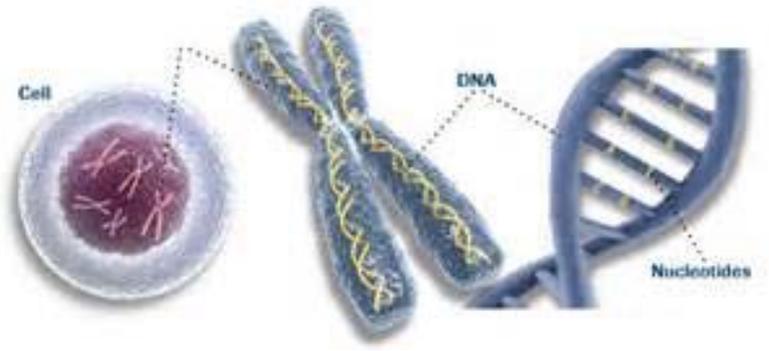


PHONES & EAR BUDS away Please!

Fri, Dec 1, 2017



Pick up: DSQ

Today you will:

- RNA/Transcription Notes
- DNA vs RNA Amoeba Sisters

Homework/Planner:

- Quiz Tuesday!
- Turn in WB pages 126-134 Tuesday

# What is RNA?

## 1. Ribonucleic Acid

2. Single strand

3. Diff. sugar than DNA

- *Ribose instead of Deoxyribose*

4. 4 Nitrogen Bases =  
A-U, C-G

– Replace T with U for  
RNA

DNA	RNA
<u>D</u> eoxyribo- <u>N</u> ucleic <u>A</u> cid	<u>R</u> ibo <u>N</u> ucleic <u>A</u> cid
2 strands	1 strand
A-T C-G	A- <b>U</b> C-G

DNA- AAT-TCG-GCG-TAT

Complete the RNA-UUA-AGC-CGC-AUA

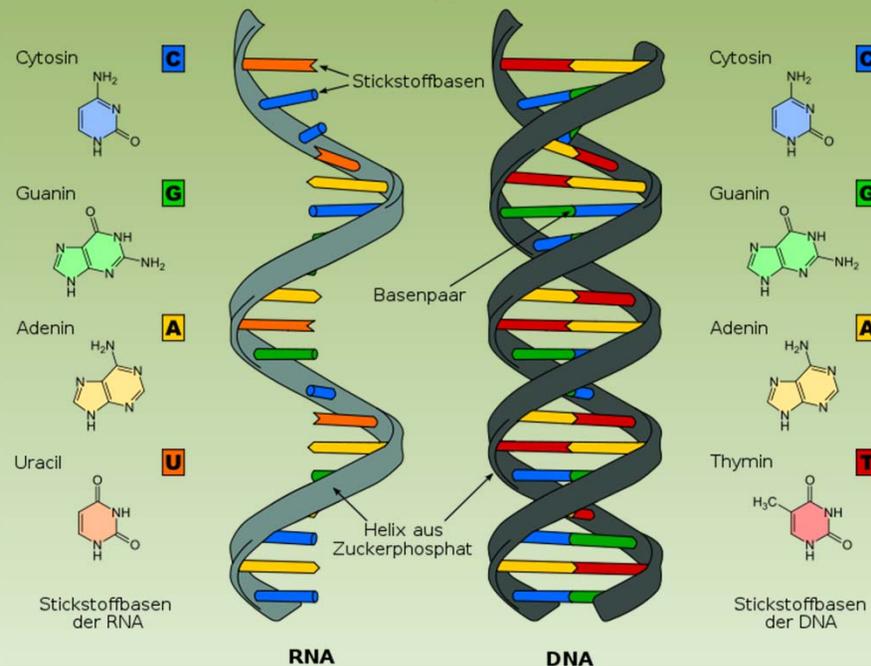
# RNA vs. DNA

- RiboNucleic Acid
- 1 Strand
- Sugar = Ribose
- The nitrogen bases are:

- A – U (Adenine – Uracil)
- C – G (Cytosine – Guanine)

- DeoxyriboNucleic Acid
- 2 strands
- Sugar = deoxyribose
- The 4 bases are:

- A – T
- C – G



*The cell needs RNA to take DNA's message out to the ribosome where proteins are made.*

- Remember.....DNA = A-T, C-G
- Remember.....RNA = A-U, C-G

**STEP 1: Make matching 1/2DNA..**

- **A C G - G C A - T A A - G T A**



**STEP 2: Use original DNA as template, make RNA.**

- **A C G - T C A - T A A - G T A**
- **U G C - A G U - A U U - C A U**