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| What does RNA stand for?dna9 |  |
| Since RNA is a nucleic acid (like DNA), we know that it consists of monomers called… |  |
| The THREE parts of a nucleotide are…nucleotide | * Sun:
* House:
* Pool:
 |
| DNA vs. RNA1. The sugar in RNA is \_\_\_\_\_\_\_\_\_\_\_\_ instead of deoxyribose which is found in DNA.
2. RNA is generally single-stranded, while DNA is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. RNA contains the nitrogenous base URACIL instead of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 | 1.2.3. |
| What is RNA?  | * Ribonucleic Acid
* A disposable copy of a segment of DNA
*
 |
| cdogmaWhat does RNA do?  | * RNA is responsible for assembling \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into proteins.

 (HINT: What is the monomer of a protein?) |
| mRNA-colored 3 Types of RNA | 1. mRNA:
2. rRNA:
3. tRNA:
 |
| rna2Messenger RNA (mRNA)  | * RNA molecules which carry copies of instruction for assembling amino acids into…\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* “Messengers” from DNA to the rest of the cell…WHY?
 |
| Ribosomal RNA (rRNA)  | * Proteins are assembled on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Hint: these are the smallest organelles in the cell)
* Ribosomes are made up of several dozen proteins plus rRNA
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| trna_diagramTransfer RNA (tRNA)  | * Transfers each amino acid to the ribosome as specified in the instructions coded within…
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