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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. RNA   1. 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 |
| trna_diagramTransfer RNA (tRNA) | * Transfers each amino acid to the ribosome as specified in the instructions coded within… |

