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H: Crossword

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| **Across****4.** packed, coiled form of DNA**9.** enzyme that joins nucleotides to produce strands of DNA and proofreads**15.** ribonucleic acid**18.** deoxyribonucleic acid**19.** protein DNA wraps around**20.** area where the 2 DNA copies are held together until split**22.** nitrogen base including thymine & cytosine**25.** type of gene mutation where a change is made at a single point**26.** mRNA language, determines amino acid**27.** change in genetic material**28.** the copying of DNA**30.** group of 3 bases on tRNA that "check" for accuracy of amino acid | **Down****1.** area of DNA that signals enzyme where to start**2.** the monomer, building block in DNA**3.** second step in protein synthesis**5.** 2 indentical copies of a chromosome attached**6.** a change in the gene (base)**7.** enzyme used to copy DNA into mRNA**8.** changes in the whole chromosome**10.** DNA wrapped with proteins and fit into nucleus**11.** production of a protein**12.** first step in protein synthesis**13.** the bonding pattern between the nitrogen bases**14.** 5 carbon sugar making up part of the nucleotide**16.** DNA wrapped around histone**17.** section of DNA that is coded instructinons to make proteins**21.** nitrogen base including adenine & guanine**23.** non-coded instruction for protein on DNA**24.** coded instructions forprotein on DNA**29.** group of 3 bases on mRNA |