chapter 12 biology

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| **Across**  **1.** 1 strand of bacteria is changed by a gene  **3.** binds to dna and separates strands during transcriptions  **6.** mutation that shifts the reading frame  **12.** carries copies if instructions  **13.** controls the differentiation of cells and tissue  **14.** extra set of chromosomes  **15.** sequence of dna with proteins and traits  **17.** not involved in coding for proteins  **19.** helps assemble proteins  **21.** change in the dna sequence  **22.** genes operating together  **24.** codes for proteins  **25.** trna molecule that are complimentary to a mrna codon  **26.** cells become specialized  **27.** operon is turned off  **28.** decoding of mrna into a chain | **Down**  **2.** dna coiled in around proteins  **4.** dna coiled in the chromatin  **5.** virus that infects bacteria  **7.** monomer of nucleic acids  **8.** enzyme involved in replication  **9.** changes in 1 or few nucleotides  **10.** cell duplicates its dna  **11.** A=T and G=C  **16.** transfers amino acids  **18.** dna copied into a rna sequence  **20.** 3 nucleotide sequence on messenger rna  **23.** dna enzyme binds to make rna |