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Chapter 15 and 16 Review

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| **Across****4.** The process by which modern organisms have descended from ancient organisms**8.** Darwin called this the ability of an individual to survive and reproduce in its specific environment**12.** Type of isolation in which two or more species reproduce at different times**13.** Scientist who believed that organisms acquired or lost certain traits during their lifetime**14.** The type of selection in which humans choose most desirable traits for breeding**15.** Change in DNA sequence that is one of the two major sources of genetic variation**16.** Consists of all genes that are present in a population**17.** Economist which noted human population will grow faster than space needed to sustain it | **Down****1.** Lamarck though that this type of characteristic could be inherited**2.** When the members of two populations cannot interbreed and produce fertile offspring**3.** A trait which often has two or more alleles**5.** Occurs during production of gametes and is another source of genetic variation**6.** Any inherited characteristic that increases an organism's chance of survival**7.** Isolation in which animals have differences in rituals **9.** A well-supported testable explanation of natural phenomena**10.** Formation of a new species**11.** Structures that have different mature forms but develop from the same embryonic tissue |