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Chapter 15 and 16 Review

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|  |  |  | 8  F | I | T | N | E | S | S |  | U |  | N |  |  |  | 9  T |  |  |  | 10  S |  |  |  |  | P |  |  |  |
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|  |  |  |  |  |  | 14  A | R | T | I | F | I | C | I | A | L |  |  |  | 15  M | U | T | A | T | I | O | N |  |  |  |
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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 |