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Evolution Crossword Puzzle

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| **Across**  **3.** change in the gene pool of a population from generation to generation  **9.** the conditions, as physiological or behavioral differences or geographical barriers, that prevent potentially interbreeding populations from cross-fertilization  **12.** concealment by some means that alters or obscures the appearance  **14.** survival of the fittest= process by which forms of life having traits that better enable them to adapt to specific environmental pressures  **15.**  term used by paleontologists to refer to the total number of fossils that have been discovered, as well as to the information derived from them  **16.**  structures of different species having similar or corresponding function but not from the same evolutionary origin  **17.** separation of two populations of the same species or breeding group by a physical barrier  **18.** one of the first scientists to publish the idea that adaptation occurred in species to help them better survive in the environment  **19.** genetically determined structures or attributes that have apparently lost most or all of its ancestral function in a given species  **20.** parts of the body that are similar in structure to other species' comparative parts | **Down**  **1.** Essay on the Principle of Population=hypothesized that populations would grow in areas with plenty of resources until those resources were strained to the point that some of the population would have to die  **2.** adjustment= the act of adapting  **4.**  random changes in the frequency of alleles in a gene pool, usually of small populations  **5.** appearance of apparently similar structures in organisms of different lines of descent  **6.**  diversification of an ancestral group of organisms into a variety of related forms specialized to fit different environments or ways of life  **7.** process in the breeding of animals and in the cultivation of plants by which the breeder chooses to perpetuate only those forms having certain desirable inheritable characteristics.  **8.** close external resemblance of an organism  **10.** came up with the Theory of Evolution through Natural Selection  **11.** described Earth as a living organism, inspired Darwin  **13.** the ability of a population to maintain or increase its numbers in succeeding generations |