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evolution

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| **Across**  **8.** different kinds of living organisms are thought to have developed and diversified from earlier forms during the history of the earth  **9.**  evolutionary mechanism that helps members of the same species identify each other as proper mates.  **10.** is a trait with a current functional role in the life of an organism that is maintained and evolved by means of natural selection.  **11.** the set of all genes, or genetic information, in any population, usually of a particular species  **12.**  splitting of a single evolutionary lineage into two or more genetically independent lineages | **Down**  **1.** The separation of two populations of the same species or breeding group by a physical barrier, such as a mountain or body of water.  **2.** characteristic of an individual that allows it to survive to produce more offspring  **3.** A group of organisms of one species that interbreed and live in the same place at the same time  **4.** is the relative frequency of an allele (variant of a gene) at a particular locus in a population, expressed as a fraction or percentage  **5.** genetic isolation achieved due to temporal differences in breeding.  **6.** the ability to survive to reproductive age, find a mate, and produce offspring.  **7.** any difference between cells |