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The Nitrogen Cycle

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| **Across**  **5.** What does bacteria use to produce nitrogen-containing compounds such as nitrates?  **6.** In the nitrogen cycle, nitrogen moves between living things and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **8.** The only organisms that can fix atmospheric nitrogen into chemical compouds .  **10.** A process in which nitrogen is cycled between the atmosphere, bacteria, and other organisms. | **Down**  **1.** Nitrogen makes up \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ percent of the gases in the atmosphere.  **2.** What type of plant does nitrogen-fixing bacteria live on?  **3.** \_\_\_\_\_\_\_\_\_\_ breaks down wastes and return the nitrogen that these wastes contain to the soil.  **4.** When animals eat plants or other animals to get nitrogen, that is an example of \_\_\_\_\_\_\_\_\_\_.  **7.** Where do plants that do not have nitrogen-fixing bacteria in their roots get their nitrogen from?  **9.** All organisms need \_\_\_\_\_\_\_\_\_\_\_ to build proteins. |

   Nitrogen       Nitrogen-fixing bacteria       Nitrogen cycle       Legumes       sugars       Soil       usable nitrogen       Atmosphere       Decomposers       seventy eight