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### The cycles

There once was a nitrogen molecule that wanted more than floating around the atmosphere. The molecule was made up of two brothers names Nitro and Geno. One day they both decided to enter the water cycle. They waited for water to evaporate into the atmosphere. They floated around for a bit until condensation occurred and then clouds formed. When the clouds were heavy enough, they latched onto a water droplet that formed thanks to precipitation and fell to the earth. The exciting ride down was short lived, and they fell right next to a sunflower that was growing in a field. The two infiltrated through the soil, and met a bacteria named Fixator. He separated Nitro and Geno and added to them 3 hydrogen atoms. This transformed the two into ammonia. The brothers didn't like being ammonia because the plants didn't want to absorb them. They went to another bacteria that was near the roots of the sunflower named Nitrif. He took the two and added oxygen to each of them. Nitro and Geno were elated and, and they were now nitrates. Soon after the sunflower absorbed Nitro and Geno, and they felt like they had a purpose. They helped build proteins in the sunflower. The sunflower grew old and it wilted and died. Bacteria decomposed the sunflower and put the nutrients back into the soil. Luckily the brothers were transformed back into nitrogen gas after Denite took their oxygen atoms. Nitro and Geno floated back into the atmosphere after their long journey. Nitro and Geno now understood how the Nitrogen Cycle worked, and why all of the cycles were important. Without the help of the other cycles,

they could never complete the Nitrogen Cycle. They couldn't wait to tell their friends that they completed the Nitrogen Cycle.

