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Interlayer dynamics of the active sites of transition metal sulfide-based catalysts and the mechanisms of hydrodesulfurization of oil fractions and synthesis gas conversion into higher alcohols and other oxygenates

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Nitrogen is the most important gas in nature in terms of provides food source for organisms and microorganisms. One of the most important benefits that are relevant to organisms and microorganism's nutrient particularly for plants is help to perform photosynthesis process. Providing this prominent source need to special chain for transferring the nitrogen for all the organisms in nature namely plants and animals in water and soil that this cycle called nitrogen cycle. This article mention to nitrogen cycle

role in air, soil, and water because nitrogen move from air to soil and then from soil to water after that this cycle continue namely again nitrogen back to air. On the other hand, this article explains processes about transform of nitrogen to other forms for using the organisms and microorganisms such as nitrogen fixation, assimilation, nitrification, and gentrification because organisms and microorganisms cannot utilize of nitrogen directly for this.

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