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Author: Ms. Audrey Douglas  
United States

Ms. Monica Ebert  
School for Independent Learners, United States

CHEMICAL START TO TERRAFORMING: AN APPROACH TO MAKE A GARDEN ON MARS

**Abstract**

Terraforming Mars will take a long time, but with specific chemicals and primitive plants, biology can help the process. If humans want to actually live on Mars we need plants there first to provide food and oxygen. Humans need plants if they are to survive for an extended period of time as they are essentially what keep us alive here on Earth, but Mars cannot support plants in the state it's in right now. Mars is too cold for plants, and the atmosphere is too thin to support the biological forms that grow on Earth. This paper details an analysis of the carbon dioxide that is already on Mars, added to perfluoromethane, methanogen, cyanobacteria, and primitive plants such as moss and algae. This combination can provide a habitable environment and seed a more complex ecosystem.