

Abstract

This project is an exploration into gas exchange in cushion moss and lawn grass. The purpose of this project is to look at which plant performs more dynamic gas exchange by measuring CO₂ concentration in parts per million and finding how much the concentration changes per hour. It was hypothesized that CO₂ concentration in the moss would have a wider range of values than the grass would. The hypothesis was tested by building multiple small terrariums with moss or grass in them and using CO₂ probe to measure gas exchange. As a control, a probe was placed in an empty terrarium. The hypothesis was not supported by the data, as the grass had much more dynamic CO₂ concentration readings.