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Monumental Mold

The purpose of this project was to test whether mold grows faster on different construction media. I hypothesized that if the construction media were exposed to mold and got a constant amount of water then, the one retaining the most moisture would have the highest rate of mold growth. The experiment involved testing the absorption rate of the media, culturing the mold, and then depositing the mold on to the media. For the absorption rate I measured the weight after soaking for 2 minutes and 9 hours. For culturing the mold I used pieces of agar and then for growing my mold I simply used a pipette to put a mold/water substance on the media. The data collected partially supported my original hypothesis. Even though the carpet absorbed the most water it had very little growth. The plywood however had an immense amount of growth because it had a good amount of organic material and was a good moisture retainer. These findings lead me to believe that the material which has a good amount of organic material and can retain a good amount of water then it will grow the most mold. Therefore, a material like plywood is ideal for mold to grow on.