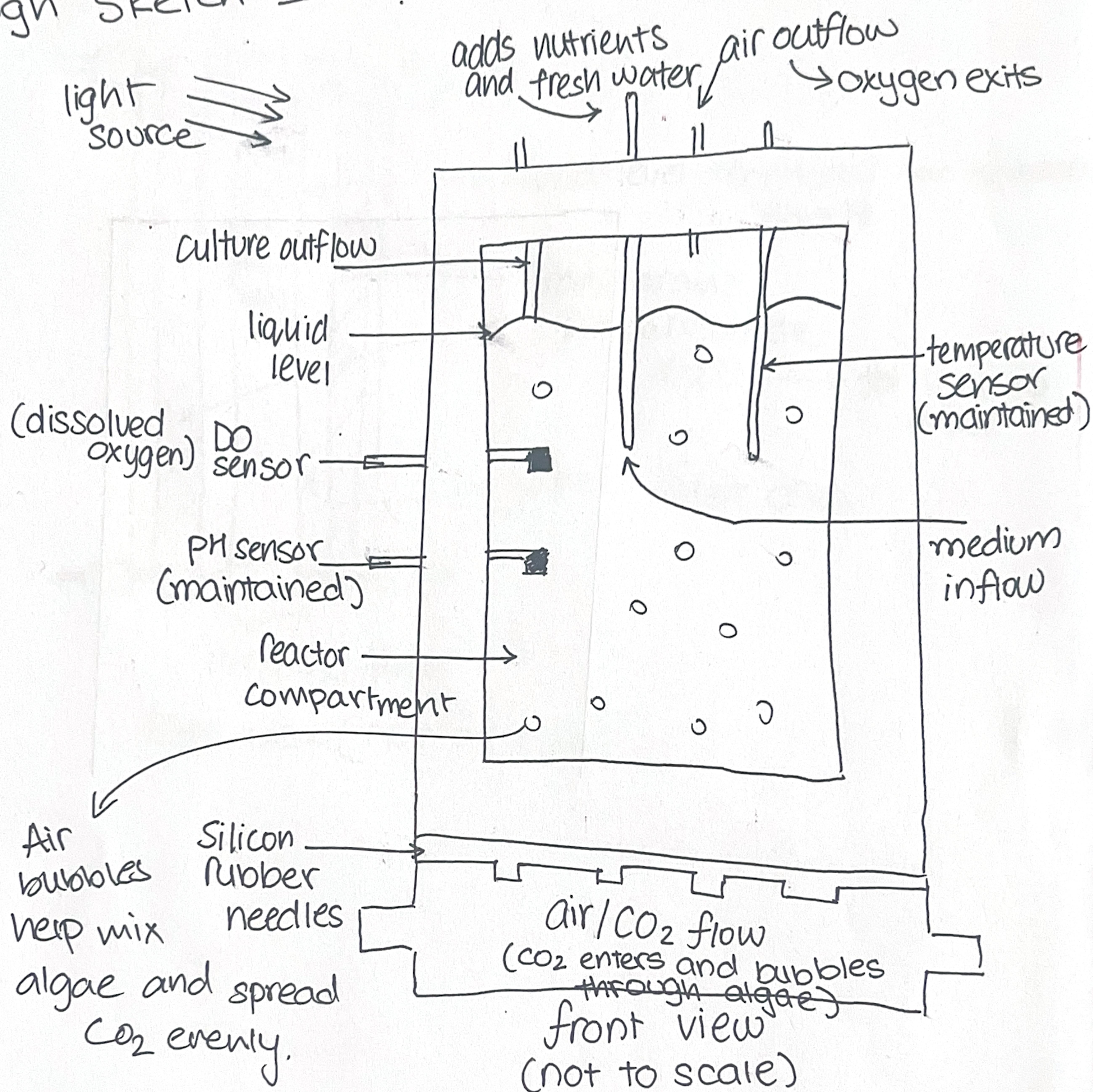
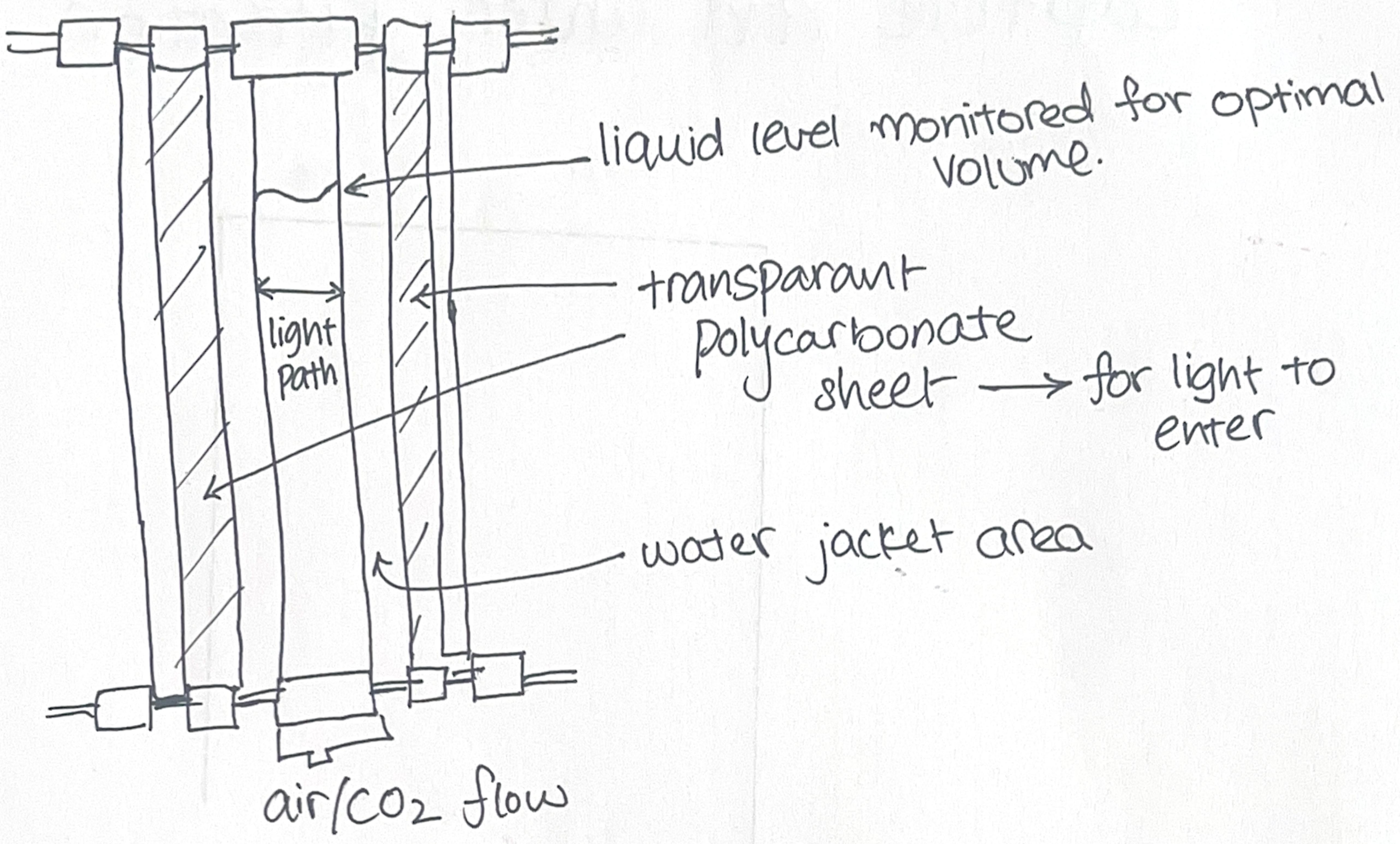


4th June 2025

→ Flatpanel photobioreactor for
CO₂ capture and water
purification &

Rough sketch Idea!





Side view (not to scale)

As a starting point, I chose the flat panel photobioreactor for this project mainly for its simplicity and efficient light absorption. It seems suitable for this small-scale construction and aligns well with my goal of carbon capture and water purification. However, this is a **preliminary choice**. As I continue researching other models in the upcoming days (eg: tubular and vertical column), I will consider other designs and if they could offer more feasibility for my specific project.