

# Algae Growth

The tip of the biospike is where the algae uses the sun to photosynthesize and multiply to a point where they can be processed and turned into biofuel.

# Bioluminescent Algae

Bioluminescent Algae is the main organism that is used to create fuel and organic light.

# BioFuel Production

The containers hold 22,653.5 Liters of water/algae solution that can create 11,321 Liters of Biofuel per Cycle.

# BioFuel Processing

The algae is brought down to the base of the spike where it is processed. The algae is airted with CO<sup>2</sup> and the sediment sinks to the bottom of the spike where it can be collected and the rest of the algae can be pumped back to the top to continue the process.

# Agitation Tank

# Air Tank

# BioFuel Harvesting



# Structure

Each spike is grounded by a concrete foundation to counterweight the weight of the structure. The base and the transfer pipe are made out of galvanized steel. the outer frame is made out of steel bar stock that is welded on site

