

# Algae Dewatering Laboratory Worksheet

## Centrifuge



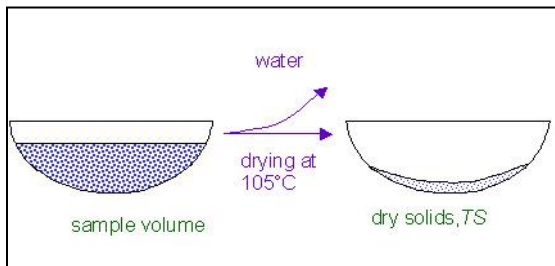
Weigh empty centrifuge tube \_\_\_\_\_ Units \_\_\_\_\_

Place 1 ml algae suspension in tube. Centrifuge at 10,000 rpm for 5-10 minutes. Remove water. Dry tube.

Weigh centrifuge tube \_\_\_\_\_ Units \_\_\_\_\_

Calculate mg/L of algae \_\_\_\_\_

## Evaporation



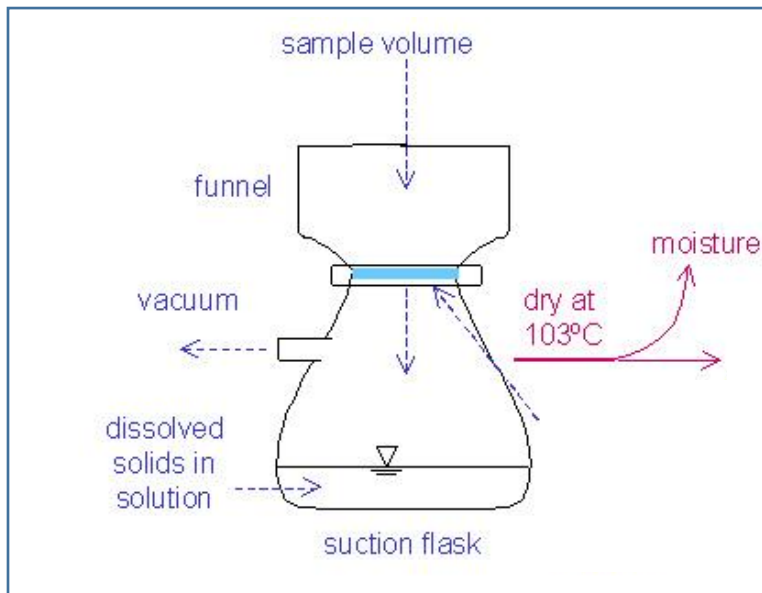
Weigh empty crucible \_\_\_\_\_ Units \_\_\_\_\_

Add 50 mL algae suspension. Evaporate the water at room temperature.

Weigh crucible \_\_\_\_\_ Units \_\_\_\_\_

Calculate mg/L of algae \_\_\_\_\_

## Filtration



Weigh aluminum pan with 0.45 micron filter paper \_\_\_\_\_ Units \_\_\_\_\_

Filter 50 mL algae suspension. Dry filter paper in pan

Weigh aluminum pan with 0.45 micron filter paper \_\_\_\_\_ Units \_\_\_\_\_

Calculate mg/L of algae \_\_\_\_\_