

## Experiment #4. How do fertilizers impact algae?

Components:

- Green algae culture: *Chlamydomonas*
- 0g, 1%, 10%, 100% plant fertilizer
- 1l spring water: Volvic water

Experiment for 1 liter base solution

1. prepare 4 different media for you cultures: add 1%, 10%, 100% fertilizer into water
2. Autoclave. Cool it down
3. Add *Chlamydomonas* into media. Keep 3 weeks, inspect with a microscope every couple of days. Take pictures and compare your results, eg count the numbers of your cultures per cubic centimetre

For more information, see

[https://www.researchgate.net/publication/277327137 Effect of Nitrogen on Growth and Lipid Content of Chlorella pyrenoidosa](https://www.researchgate.net/publication/277327137_Effect_of_Nitrogen_on_Growth_and_Lipid_Content_of_Chlorella_pyrenoidosa)