

## Aquatic Macrophytes Study Guide

Test will consist of some definitions of terms, several short answer question that you should be able to answer with a sentence or so and five essay questions that you will need a paragraph to answer.

Terms that you should be able to define or discuss. Also be able to compare and contrast certain related topics.

photosynthesis in aquatic plants

- photosynthetic tissues

- bicarbonate carbon source

  - marl production

- comparisons of

  - C3 like

  - C4 like

  - CAM like

- photorespiration

various types of underground organs

- internal atmosphere

  - O<sub>2</sub>

  - CO<sub>2</sub>

- oxidized microzone

- alcohol fermentation

  - facultative aquatic

  - intolerant terrestrial

- comparisons of:

  - morphological diversity of free floating plants

  - taxonomic diversity of free floating plants

vegetative reductions in free-floating aquatic ferns  
vegetative reductions in the Lemnaceae

heterophylly  
types

heteroblastic development  
evidence for

taxonomic confusions

factors influencing heterophylly

sexual reproduction

heterospory in cryptogams

adaptive trends in flowering plant pollination syndromes

some specialized pollination syndromes

ploidy differences

vegetative reproduction

turions

aquatic plant biogeography

hypotheses of explanation

distribution patterns including:  
cosmopolitan etc.

endemism

hypotheses of explanation

aquatic weeds

extent of the problem

methods for control