

ABSTRACT

This bachelor thesis deals with the usage of Garden Banded Snail (*Cepaea hortensis*) and Grove Snail (*C. nemoralis*) in teaching; especially in speed measurement. It is also addressed to laboratory breeding of this genus and basic requirements of land snails during keeping in order to provide specimens suitable for teaching as well as speed measurements. Despite of the compliance with the requirements for successful breeding, some specimens created epiphragm (temporary lid built during unfavourable conditions). Part of the thesis is addressed to this issue: why snails build epiphragm and how to activate them.

The speed measurement itself is approached from the two different point of views: how to adapt the environment for measurement and how to perform the measurement in theoretical concept; and how to perform the measurements itself in a school class or in home breeding. The thesis uses responses of the students, who performed the experiment at school and shared the information about their feelings from working with the snails. Those feelings of disgust or even fear are discussed in a separate chapter. Apart from usage of land snails for the subject of Biology, this thesis also elaborates their inclusion into several other subjects.