



- 5 (12). Provide a clear, complete and justified explanation for why total daily transpiration amounts in the experimental treatment *Lactuca* are greater than on the control plants (natural orientation) (page 162).
- 6 (14). Why is the relationship between total seed yield (a measure of plant fitness) and total daily transpiration negative (page 162)? Please relate that pattern to the observations of the relative differences in control and treatment transpiration rates during the two time intervals.
- 7 (14). Provide a succinct and complete explanation for why the slopes of the relationship between reproductive output (flower production) and plant size are different for control and treatment plants in page 163.
- 8 (12). Does the observation of identical leaf conductances for horizontal and vertically oriented *Lactuca* leaves mean that the transpiration rates are also identical (page 160)? Yes or no. Why or why not?