

# **Mini-Quiz 8**

BIOL 4350/6350

Ecophysiology

**1** Pick a national park. If you were a plant, what growth and reproductive strategies (including allocation strategy) would you adopt to best survive and reproduce in that environment?

**2** In class, we discussed ideal allocation strategies for different environments. However, we know that multiple strategies exist. Why is this the case?

**3** We talked about a number of environmental cues that can influence germination. Given this information, how do you think future global change will impact plant germination? Will this have a negative or positive effect on fitness (i.e., reproductive success)? Use a systems diagram to explain your answer.

**4** Describe the tradeoff(s) associated with deciduousness.