

# **Mini-Quiz 2**

BIOL 4350/6350

Ecophysiology

**1** Plant physiological processes often involve tradeoffs. Name one of these tradeoffs and provide an ecological context under which this tradeoff may be important.

**2** Briefly explain how photosynthesis can be limited by light or CO<sub>2</sub>.

**3** Draw the expected response of photosynthesis to change in light, CO<sub>2</sub>, and O<sub>2</sub>.

**4** Von Caemmerer and Farquhar performed their experiments using *Phaseolus vulgaris*, or common bean. This species uses C<sub>3</sub> photosynthesis. Do you think their experiments would have turned out differently using a C<sub>4</sub> species? If so, how?