**Biodiversity, Ecology, and Conservation Biology**

**Bob Podolsky Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***DQ assignment*: Suarez and Case (2002)**

After reading the article, respond to the following questions for discussion. Type your responses in the spaces provided. Your responses will be graded on depth of thought and effort, not on whether you use complete sentences or paragraphs. Print your completed assignment (double-sided if possible!) and bring it to lecture. *Due: beginning of lecture.*

1. Use the space below to write down any concepts or techniques that you did not understand and would like to have clarified. (Although we can also discuss confusing vocabulary, you are expected to look up terms you don’t know.)
2. Why are the horned lizards described in this article vulnerable to extinction? Be specific and refer to at least three conservation concepts from class. If you were trying to manage a reserve for coastal horned lizards in California, what issues would be your largest concern?
3. What are meant by “bottom-up” and “top-down” effects, and what are they potentially for horned lizards? What evidence is presented for either controlling native ant populations?
4. Why do some species come to specialize on a resource while others use a more general collection of resources? What are the advantages and disadvantages of each strategy?

Type here…

1. How does this article provide an example of indirect effects regulating community structure? What is the evidence for or against there being a keystone species in this example?

Type here…

1. Use this space to write your own discussion comment (DC). Your brief commentary should raise and address a new question, observation, or speculation from insights that you gained from reading this article, or bring in other relevant information you know about the topic.

Type here…