

## Biology II/Unit 9 Study Guide

BioIIU9SG (Ethology)

web resource: <http://plantsinmotion.bio.indiana.edu/>

### Study Objectives/Things to Know

1. Identify four questions asked by biologists who study behavior.
2. Describe an example of an innate behavior.
3. Compare four types of learned behavior.
4. Explain how learning and genes can interact to affect behavior.
5. List and describe several types of behavior related to competition, feeding, reproductive, cyclic, and communication.
6. Identify costs and benefits of social behavior.

### Vocabulary

ethology behavior innate behavior fixed action pattern learning habituation operant conditioning classical conditioning reasoning imprinting sensitive period optimality hypothesis aggressive behavior territory dominance hierarchy courtship communication aposematic coloration circadian rhythm hibernation migration tropism nastic movements photoperiodism

### Assignments

- Read chapter 44
- Notebook: **10pts**
  - Study Objectives Worksheet
  - VG: Nature - Brain Power <http://www.pbs.org/wnet/nature/triumphoflife/episode5.html>
  - Crossword
  - Concept Map
  - Case: "My Brother's Keeper"
- Vocabulary Quiz **10pts**
- Vocabulary Quiz2 **10pts**
- Test **10pts**

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