

**Brooks and Dodson discussion**

1. Read: Brooks, J. L. and S. I. Dodson. 1965. Predation, Body Size, and Composition of Plankton. *Science* 150: 28-35.
2. While reading, focus on the big picture:
  - a. What are their main hypotheses?
  - b. From what observations to they derive their hypotheses?
  - c. What evidence do they use to test their hypotheses?
  - d. Are their ideas relevant to other systems? What evidence to they give that suggests broader relevance (or not)?
3. You are assigned to one of four groups. Prepare a list and bring it to class, based on this assignment. To complete this list, you may choose to do some additional research, but for the most part you should be able to find the information requested from within the paper.
  - a. **Group 1:** List all the species mentioned in the paper and the habitat in which they are typically found in a lake. Draw a small diagram to illustrate the habitats.
  - b. **Group 2:** Create a list of all the species mentioned in the paper and their approximate body size (length).
  - c. **Group 3:** Create a list of each species mentioned in the paper and their prey, and indicate the approximate size or size range of the species' prey. What is a food collector?
  - d. **Group 4:** Find a picture of each species listed in the paper, and create a list of these photos and the species' names.
4. In class on Thursday, you will:
  - a. Turn in your lists (upload it to Canvas before class).
  - b. Bring a copy of the list to class.
  - c. You will first compare lists with others in your group
  - d. Then you will form new groups and answer a few questions about the paper. You will turn in one report from each group at the end of class on Friday. You may want to work on a laptop or tablet, but pen and paper is fine too.