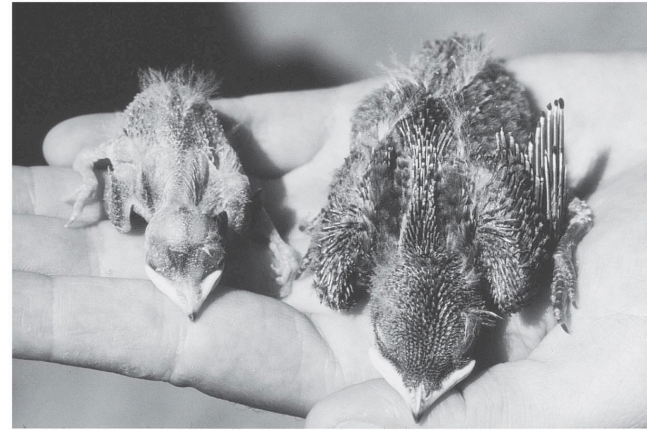


Homework – Social Behavior

Choices:

- A) Cost
- B) Benefit

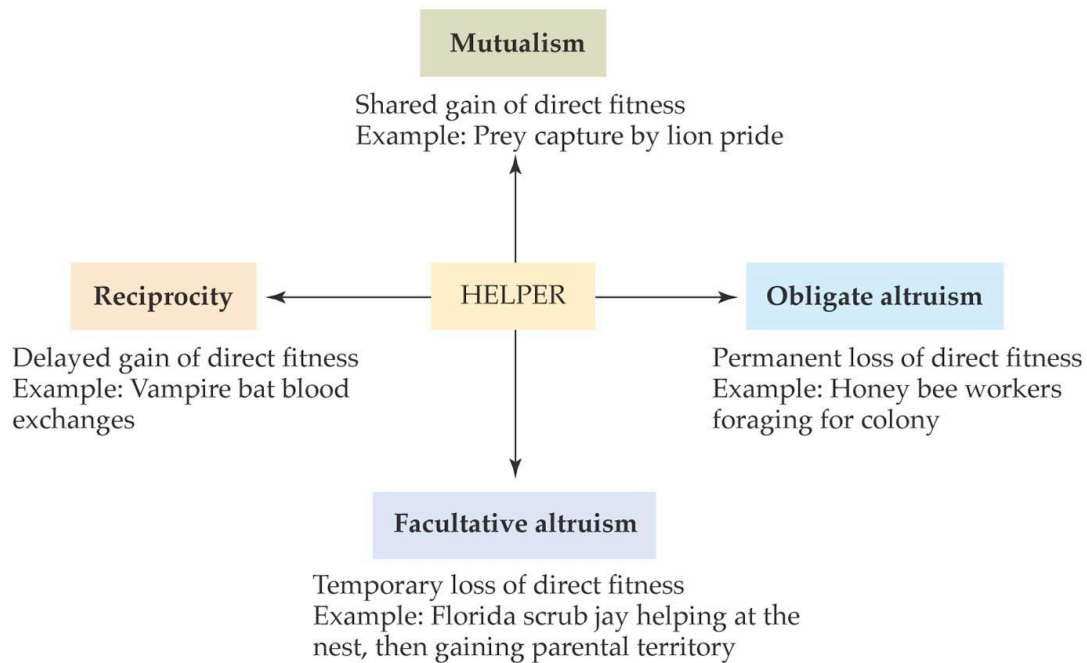
- 1) Increased risk of cuckoldry?
- 2) Increased competition for food?
- 3) Greater transmission of parasites?
- 4) Increased dilution effect?
- 5) Improved foraging via information centers?



ANIMAL BEHAVIOR, Eighth Edition, Figure 13.5 © 2005 Sinauer Associates, Inc.

6) Explain what is being shown in figure 13.5 (big bird and small bird).

7) Explain figure 13.8 as to why an animal might help another animal.



ANIMAL BEHAVIOR, Eighth Edition, Figure 13.8 © 2005 Sinauer Associates, Inc.

8) Explain what the Prisoner's Dilemma is.

9) Calculate the coefficient of relatedness between two brothers. Show your work and use circles to symbolize males and squares to symbolize females.

10) What is inclusive fitness?

11) In Chapter 14, we will discuss the evolution of Human Behavior. Many arguments are brought up about how the rules that apply to animals do not apply to humans. Explain the Sociobiology controversy by briefly stating and explaining the three bolded sentences in this chapter.