

## Ch. 46 Wkst – Social Interactions

### **Behavior's Heritable Basis (46.1)**

- Make sure you know what the following terms mean: stimulus, response, animal behavior, instinctive behavior,
1. How is a sign stimulus related to a fixed action pattern?

### **Learned Behavior (46.2)**

- \*1. Define and give examples of the following: imprinting, classical conditioning, operant conditioning, habituation, spatial learning & insight learning. (These are important)
2. Konrad Lorenz is famous for which of the above? Explain.

### **The Adaptive Value of Behavior (46.3)**

1. a-Briefly, what is the difference between selfish and altruistic behavior?  
b-Describe one example of how altruistic behavior can be more effective than selfish behavior.

### **Communication Signals (46.4)**

1. Describe fully the following: pheromones, courtship displays, and bees' signaling.

### **Mates Parents and Individual Success (46.5)**

1. Describe the costs and benefits of parenting.

### **Costs & Benefits of Living in Social Groups (46.6)**

1. What are some benefits and costs of social behavior?

### **The Evolution of Altruism (46.7) & Why Sacrifice Yourself? (46.8)**

1. Explain how the concept of inclusive fitness is related to altruistic behavior.

### **Self-Quiz**

2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_