

Name \_\_\_\_\_

Period \_\_\_\_\_

Ms. Foglia

Date \_\_\_\_\_

**AP: CHAPTER 51: BEHAVIORAL BIOLOGY**

1. Define the two basic types of behavior.

\_\_\_\_\_

\_\_\_\_\_

2. Compare and contrast instincts and reflexes.

\_\_\_\_\_

\_\_\_\_\_

3. What is a fixed action pattern?

\_\_\_\_\_

\_\_\_\_\_

4. Describe the following behaviors:

a. Imprinting \_\_\_\_\_

b. Habituation \_\_\_\_\_

c. Trial and Error \_\_\_\_\_

d. Associative Learning \_\_\_\_\_

• Classical conditioning \_\_\_\_\_

• Operant conditioning \_\_\_\_\_

e. Agonistic behavior \_\_\_\_\_

f. Dominance Hierarchy \_\_\_\_\_

g. Altruistic Behavior \_\_\_\_\_

5. Explain the difference between proximate and ultimate causes.

---

---

6. In the PowerPoint presentation, why do you think the birds are spaced that particular distance apart?

---

---

7. List an advantage and a disadvantage of defending a territory.

---

---

8. What are pheromones and how do they help in communication?

---

---

9. What are circadian rhythms and how are they of adaptive value?

---

---

10. Explain the evolutionary adaptation of kin selection.

---

---