

Biology – Chapter 34 *Animal Behavior*

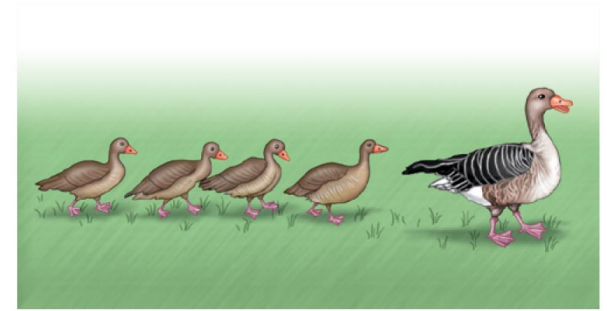
Honors Biology – Chapter 35 *Behavioral Adaptations to the Environment*

Ridgefield Memorial High School



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A goose retrieving an egg is an example of a fixed action pattern.



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Ducks following their mother is an example of imprinting.



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In a famous experiment, the geese followed this man because they thought he was their mother.



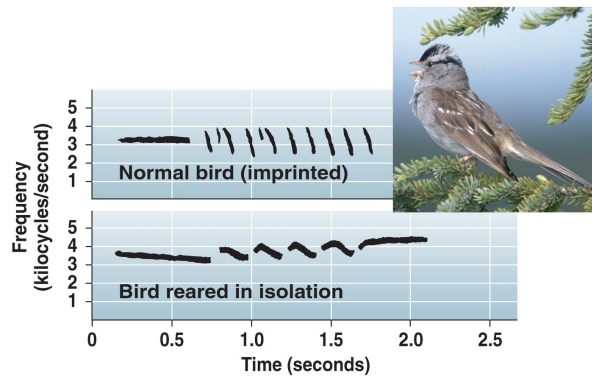
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This whooping crane thinks that the puppet is its mother.



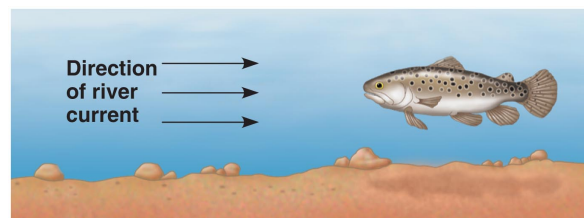
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These whooping cranes think that this plane is their mother.



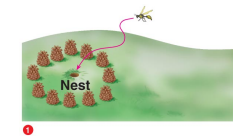
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The male sparrow's song is imprinted – part innate, part learned.



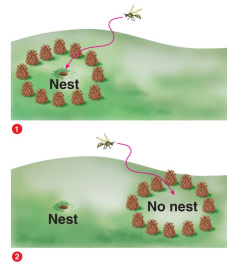
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This trout is experiencing a positive taxis, a movement toward something (the current).



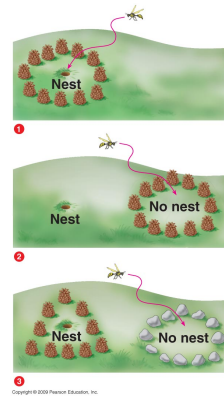
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In this experiment, the wasp located the nest based on the circular shape of the cones.



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This wolf learned not to attack a porcupine using operant conditioning (trial-and-error).



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The monkey screeches to alert the others upon seeing a poisonous python.



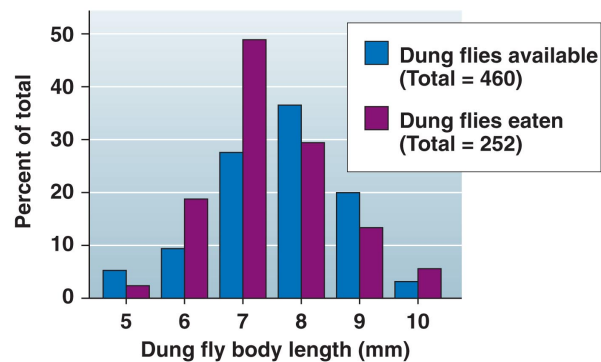
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This chimpanzee is experiencing insight learning to crack open a nut.



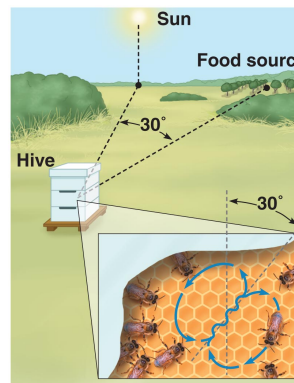
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This raven is experiencing insight learning to obtain the food on the string.



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Animals forage using a cost-benefit analysis. It's usually best to hunt for medium-sized prey.



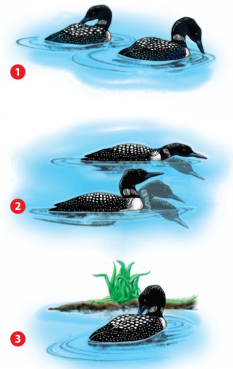
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The waggle dance is how honeybees communicate the location of food.



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The male cuttlefish is displaying colors to attract a female.



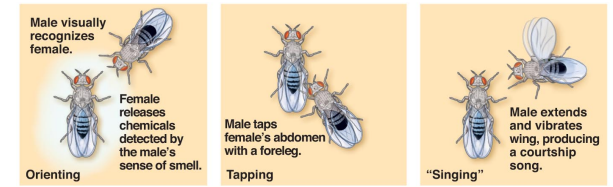
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The loons have a special courtship dance which is performed prior to mating.



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This male grouse produces a booming sound to attract females.



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The male fruit fly performs an elaborate courtship ritual.



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A male cheetah marks his territory with urine.



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Rattlesnakes exhibit ritual wrestling as a way of "fighting" without getting hurt.



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An example of a dominance hierarchy is the pecking order for chickens.