Review for Quiz 1

natural selection
fitness
Types of learning
  operant conditioning
  classical conditioning
  habituation
  sensitization
Levels of Analysis
  proximate causes
    mechanistic level
    ontogenetic level
  ultimate causes
    functional level
    phylogenetic level
Charles Darwin
Niko Tinbergen
Konrad Lorenz
Daniel Lehrmann
Harlow’s experiments
Skinner box
polyphenism
imprinting
preparedness
Proximate influences of play
Functions of play
Precocial vs. altricial
Developmental Homeostasis
hypotheses vs. predictions
Comparative Psychology vs. Classical Ethology – pros and cons of each
Field behavioral research vs. Lab-based research
Behavioral states and events
Focal Animal Sampling – pros and cons
Ad libitum sampling
Scan Sampling – pros and cons
Critical incident sampling – pros and cons
Ethogram
Ways of identifying study subjects
Why do Belding’s ground squirrels disperse?
Why do birds sing?
Why are prairie voles monogamous?
Cross-fostering experiments
Gene-knockout experiments
Isolation experiments