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|  | Classical Conditioning | Operant Conditioning |
| Pioneers | Ivan Pavlov John B. Watson | Edward Thorndike B.F. Skinner |
| Major Terms | Neutral Stimulus (NS) Unconditioned Stimulus (UCS) Conditioned Stimulus (CS)  Unconditioned Response (UCR)  Conditioned Response  Conditioned emotional response (CER) | Reinforces (primary and secondary)  Reinforcement (positive and negative)  Punishment (positive and negative)  Shaping  Reinforcement schedules (continuous and partial) |
| Example | Cringing at the sound of a dentist’s drill | A baby cries and you pick it up |
| Shared Terms | Generalization  Discrimination  Extinction  Spontaneous Recovery | Generalization  Discrimination  Extinction  Spontaneous Recovery |
| Major Differences | Learning based on paired associations  Involuntary (subject is passive) | Learning based on consequences  Voluntary (subject is active and “operates” on the environment) |
| Order of effect | NS comes before the UCS | Reinforcement or punishment comes after behavior |