



Netter's Illustrated Pharmacology, 1e (Netter Basic Science)

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Saunders, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Chapter 1. Basic Principles of Pharmacology Overview 1 Major Ways in Which Drugs Work Eliminate External and Internal Threats 2 Replenish or Neutralize Endogenous Chemicals 4 Modulate Physiologic Processes 5 Chemical Communication Chemical Transmission at the Synapse 6 Synapse Morphology 7 Pharmacodynamics Receptors and Signaling 8 Receptor Subtypes 9 Agonists 10 Antagonists 11 Stereochemistry and 3-Dimensional Fit 12 Receptor-Effector Coupling 13 Signal Transduction and Cross Talk 14 Second-Messenger Pathways 15 Ligand-Gated Ion Channels 16 G Protein-Coupled Receptors 17 Trk Receptors 18 Nuclear Receptors 19 Up-regulation and Down-regulation of Receptors 20 Dose-Response Curves 21 Potency 22 Efficacy 22 Inverse Agonists 23 Antagonists: Surmountable (Reversible) and Nonsurmountable (Irreversible) 24 Pharmacokinetics Routes of Administration 25 First-Pass Effect 26 Membrane Transport 27 Distribution 28 Barriers 29 Metabolism (Biotransformation) of Drugs 30 Cytochrome P-450 (CYP450) Enzymes 31 Metabolic Enzyme Induction and Inhibition 32 Elimination 33 Chapter 2. Drugs Used to Affect the Autonomic and Somatic Nervous Systems Overview 35 Organization of the Nervous System Organization of the Nervous System 36 Action of Drugs on Nerve Excitability 37 Somatic Nervous System Interface of the Central and Peripheral Nervous Systems and...



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