



Comparative Animal Physiology

By Philip C. Withers

Cengage Learning, 1992. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Introduction. 1. Comparative Animal Physiology. 2. External and Internal Environments. 3. The External Environment. 4. Internal Environments. 5. Homeostasis and Regulation. 6. Cellular Energetics Thermodynamics. 7. Free Energy. 8. Chemical Reactions. 9. Oxidative Metabolism. 10. Anaerobic Metabolism. 11. Bioluminescence. 12. Thermogenesis. 13. Defense. 14. Animal Energetics Calorimetry. 15. Energy Budgets. 16. Production. 17. Aerobic Metabolism. 18. Anaerobic Metabolism. 19. Temperature Physical Effects of Temperature. 20. The Thermal Environment. 21. Heat Exchange. 22. Ecotherms. 23. Endotherms. 24. Fever. 25. Acclimation and Acclimatization. 26. Membrane Physiology Membrane Structure. 27. Membrane Permeation. 28. Resting Membrane Potentials. 29. Excitable Cell Membranes. 30. Axonal Propagation. 31. Synaptic Transmission. 32. Neural Integration. 33. Sensory Physiology Structural and Functional Classification. 34. Sensory Coding. 35. Chemoreception. 36. Temperature. 37. Mechanoreception. 38. Electroreception. 39. Magnetoreception. 40. Photoreception. 41. Nervous System Evolution. 42. Nervous Tissue. 43. Integrative Neurophysiology. 44. Visual Processing. 45. Memory and Learning. 46. Biological Clocks. 47. Cell Movement. 48. The Cytoskeleton. 49. Microtubular Movement, 50. Microfilament Movement, 51. Animal Movement Support. 52. Locomotion. 53. Endocrinology Endocrine Systems. 54. Mechanisms of Hormone Action. 55. Invertebrate Endocrine Systems. 56. Chordate Endocrine Systems...

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