



Animal Physiology: Adaptation and Environment

By Knut Schmidt-Nielsen

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In this revised, updated, two-color edition of the acclaimed text *Animal Physiology*, Knut Schmidt-Nielsen introduces and develops the fundamental principles of animal physiology according to major environmental features--oxygen, food and energy, temperature, and water. The book is structured the same as the previous edition, but every chapter has been updated to take into account recent developments, with numerous new references and figures. New and expanded features include: extensive modifications to the chapter on Movement, Muscle and Biomechanics; new material on respiratory pigments; feeding and digestion in shrimp and hoatzin; plant defense compounds; diving in seals; high temperature tolerance; the patch clamp method for ion channel research; the pineal gland and melatonin. Two-color throughout for clear description and illustration of fundamental principles.

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Review

"Schmidt-Nielsen's elegant writing style actually talks to the reader, often anticipating questions....Therefore, as a textbook in elementary biology or physiology, this book should be a high level choice." Stewart Wolf, M.D., Integrative Physiological and Behavioral Science

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