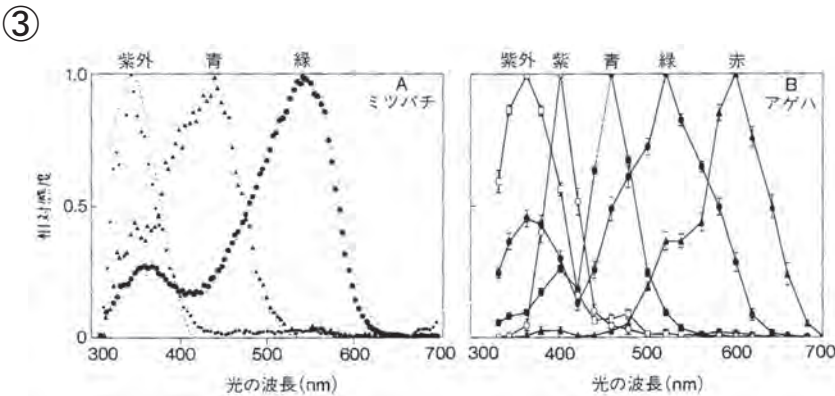
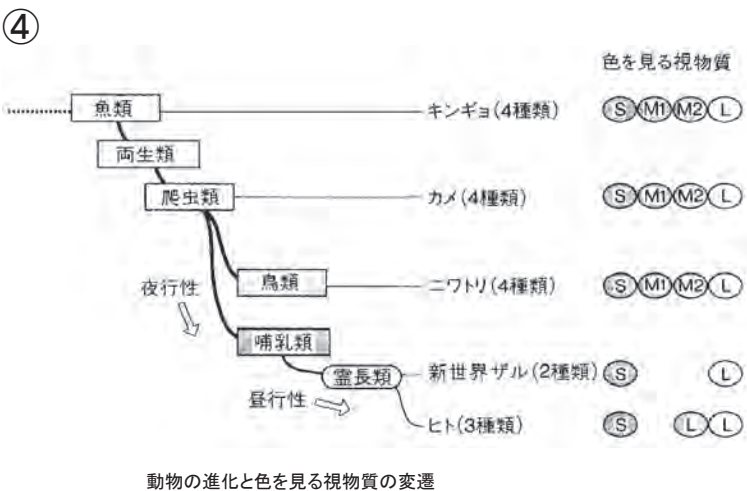


FIGURE Spectral sensitivity curves of the three colored visual pigments showing absorbance peaks at wavelengths corresponding to blue green, and red.



昆虫視細胞の光波長 - 感度曲線



動物の進化と色を見る視物質の変遷

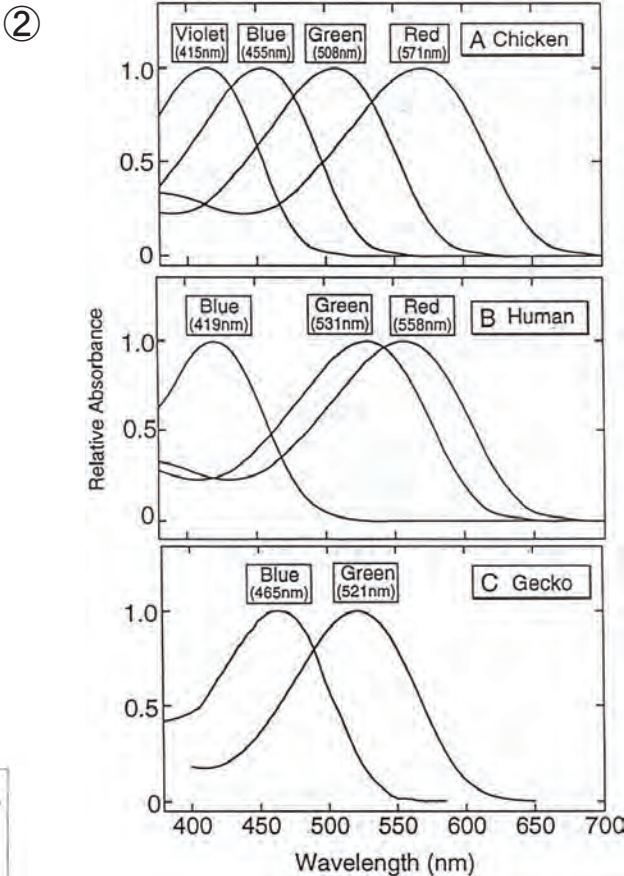


図 1 A) ニフトリ紫 (Violet), 青 (Blue), 緑 (Green), 赤 (Red); B) ヒト青 (Blue), 緑 (Green), 赤 (Red); C) オオヤモリ青 (Blue), 緑 (Green) の吸収曲線。オオヤモリ P467 の吸収極大は 465nm にあることが報告された。

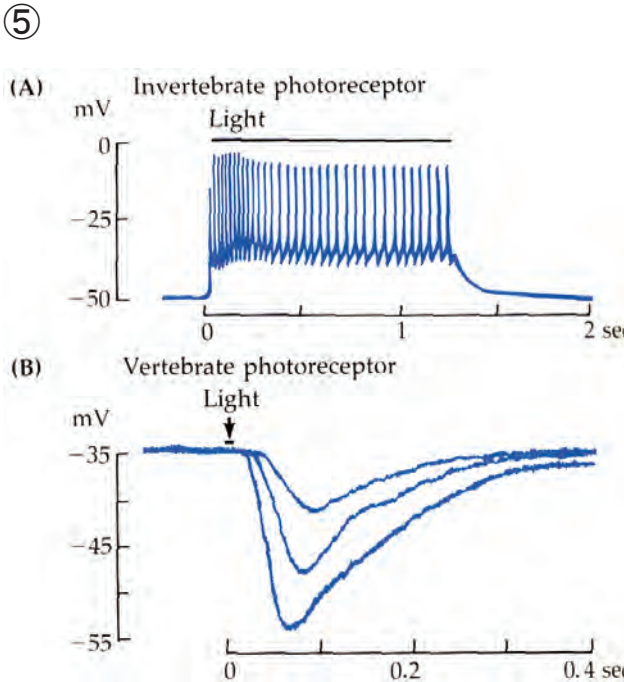


FIGURE 19.5 Responses of Photoreceptors. (A) Photoreceptors of an invertebrate (a horseshoe crab) respond to light with a depolarization that gives rise to impulses. This is the usual type of response elicited from sensory receptors activated by various stimuli, such as touch, pressure, or stretch (Chapter 17). (B) Photoreceptors of a vertebrate (a turtle) respond with a hyperpolarization that is graded according to the intensity of the flash. (A after Fuortes and Poggio, 1963; B after Baylor, Fuortes, and O'Bryan, 1971.)