



FIGURE 16.1. (A) The snail, *Cepaea nemoralis*, is highly polymorphic for shell color and banding. In the Pyrenees (on the border of France and Spain), these traits vary erratically from place to place (B). Darker shells tend to be found in colder places, because they warm up more in the sun. (C) In contrast, allele frequencies at allozyme loci vary over large scales: Eastern, central, and western populations have distinct combinations of allele frequencies, separated by relatively sharp clines. These reflect the historical origins of these populations. B shows the frequency of the allele for yellow shell color and C shows the frequencies of four alleles at the indophenol oxidase locus, *Ipo-1*.

16.1A, adapted from material supplied by Peter B. Mordan, Natural History Museum London; 16.1B,C, adapted from Ochman H. et al., *Proc. Natl. Acad. Sci.* **80**: 4189–4193, © 1983 Ochman et al.