



FIGURE 3.17. Structures of soils. (A) Blocky peds (from USDA Soil Survey Staff). (B) Well-developed clay cutan. From Brady and Weil (2002). Individual layers (arrows) are composed of oriented illuviated clays, seen under plane-polarized light (left) and crossed polarizers (right). (C) Nodular calcareous B horizon (a) overlain by non-calcareous mottled A horizon (b), overlain by stratified non-pedogenic deposits (c). The soil profile is 2–3 m thick. (D) Interconnected calcareous glaebules in a B horizon. The scale bar is 0.1 m long. Images (C) and (D) are from the Siwaliks of Pakistan, courtesy of Mike Zaleha.