



FIGURE 5.3. Different types of phylogenetic groups. In each panel, the phylogenetic group is indicated by a *green shaded circle*. (A) Monophyletic group. All species (C and D) in the group share a common ancestor (E) not shared by any of the other species. (B) Paraphyletic group. All species in the group share a common ancestor (F), but some species (D) have been excluded from the group. (C) Polyphyletic group. A grouping of lineages each more closely related to other species not in the group than they are to each other.