FIGURE 8.11. Primary and secondary plastids. (A) Plastids in various eukaryotes. Cyanobacteria (top left; Eucapsis sp.) probably gave rise to plastids of green algae (top right; filaments of Ulothrix fimбриata), red algae (bottom left; Porphyridium sp.), and glaucophytes (bottom right; Glaucocystis sp.) through a single symbiotic event that took place more than 1.2 billion years ago. (B) Model of primary and secondary plastids. OM, outer membrane; IM, inner membrane. (C) Two examples of eukaryotes with plastids formed by secondary endosymbiosis.


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