



FIGURE 17.23. Glacials and interglacials indicated using oxygen-isotope data from deep-sea cores and ice cores. (A) Oxygen isotopes from benthic (left) and planktonic (right) foraminifera, correlated with paleomagnetic stages. (B) Oxygen isotopes from Greenland and Antarctic ice cores. (C) Variations in temperature, and in levels of carbon dioxide and methane, during the last 420,000 years from the Vostock (Antarctica) ice core. (D) Variation in level of greenhouse gases and human population over the past 200 years. Images (A), (B), and (D) from Martini *et al.* (2001); (C) from Petit *et al.* (1999). Reprinted by permission from Macmillan Publishers Ltd: *Nature*.