Project Ice Module: Ice Core Science and Engineering

1. b. Dust and carbon dioxide
2. b. interglacial ... glacial
3. a. Glacial
4. b. Interglacial
5. c. Temperature
6. e. All of the above are correct.
7. c. Temperature
8. c. a positive
9. a. When ice from the Antarctic ice sheet melts, the meltwater ends up in the ocean and causes sea level to rise
10. b. It would likely increase global temperature
11. b. Sea level will likely increase
12. c. ^{14}C
13. b. The ice is older
14. c. 425–450 ppm
15. b. Global temperature when the ice was formed
16. a. greater than
17. c. Lower CO_2, CH_4, $\delta^{18}O$ values, and higher dust flux
18. c. Sulfate
19. c. Dust concentrations
20. b. Presence of volcanic ash from a known eruption