Project Ice Module: Ice Core Science and Engineering

1. b. EAIS and c. Ice domes
2. b. Between 3,000 and 4,000 m
3. a. Star 1
4. c. Dome A
5. d. Thin ice and high bedrock elevation
6. a. Did a series of volcanic eruptions 18,000 years ago contribute to a change in the climate at that time?
7. b. Design a way to drill a replicate core from a parent borehole, meaning an ice core drilled directly next to the borehole of a previously-drilled ice core
8. c. 1°
9. c. Borehole loggers
10. a. The Doppler Effect
11. b. Palmer Station
12. e. Both a and c are correct.
13. b. An electromechanical drill
14. c. marks the “up” direction in the ice
15. a. Anti-torque system
16. b. frozen
17. a. October to February
18. d. All of the above
19. c. 740,000 years
20. a. bottom