Project Ice Module 1: Introduction to Paleoclimatology

1. b. Indirect evidence used to infer past climate conditions
2. b. The historical presence of forests in Antarctica
3. c. Seasonal
4. b. Measurements of past atmospheric gas concentrations
5. d. All of the above
6. b. Uranium-235
7. b. The study of Earth's past climates
8. c. Carbon dioxide
9. d. The observation that early Earth was warm despite the Sun being weaker
10. b. It records daily atmospheric CO_2 concentrations since 1958
11. a. Variations in the Earth's orbit that can affect climate
12. a. The shape of Earth's orbit around the Sun
13. c. Chemical weathering
14. c. Tree ring data
15. c. Carbon
16. c. They have the potential to both cool and warm the planet
17. d. What is the primary cause of seasonal variations on Earth?
18. c. Enhanced greenhouse effect
19. a. By recording temperature and ocean conditions in their growth layers
20. b. The wobble in Earth's rotational axis
21. b. The extinction of the dinosaurs
22. c. Very old rocks
23. d. All of the above