The following events refer to the diagram above which represents the Earth, the Sun, the Earth's axis of rotation, and the Earth's orbit. All events refer to places in the NORTHERN HEMISPHERE, unless otherwise noted. Choose the letter(s) which match each event.

1. June 21
2. March 21
3. September 23
4. December 21
5. Summer solstice
6. Winter solstice
7. Spring equinox
8. Autumnal equinox
9. Fall equinox
10. Vernal equinox
11. Day of greatest angle of insolation
12. Day of greatest intensity of insolation
13. Day of greatest duration of insolation
14. Days of average angle of insolation
15. Days of average intensity of insolation
16. Days of average duration of insolation
17. Day of least angle of insolation
18. Day of least intensity of insolation
19. Day of least duration of insolation
20. Sun is at zenith at Tropic of Cancer
21. Sun is at zenith at Equator
22. Sun is at zenith at T. of Capricorn
23. Earth is closest to Sun
24. Earth is farthest from Sun
25. Longest noontime shadow
26. Shortest noontime shadow
27. Longest day
28. Shortest day
29. 12 hours of both light and dark
30. Southern Hemisphere winter
31. Southern Hemisphere summer
32. Southern Hemisphere fall
33. Southern Hemisphere spring

Each of the events listed below occur at one of the four positions of the earth throughout its revolution. Identify each of the events with the correct position designation.