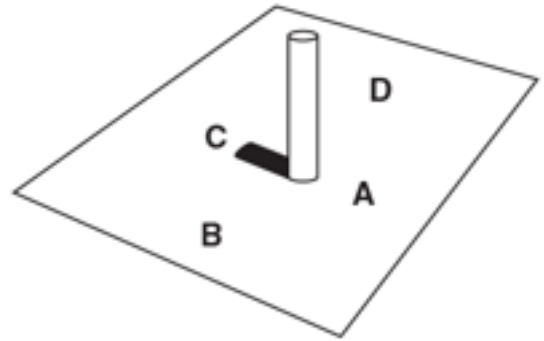
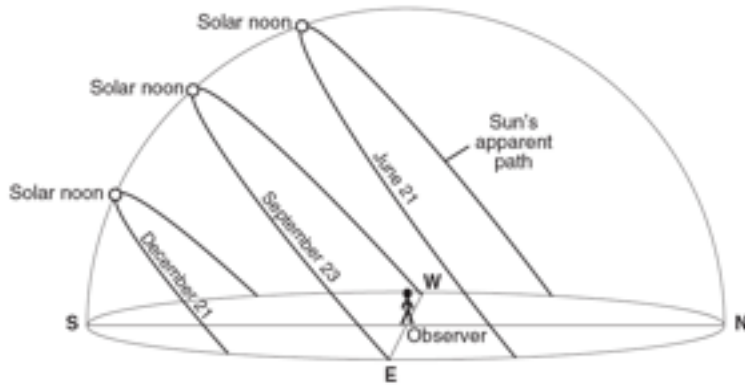


Sun's Path in NYS



1. What direction does the sun rise in summer? _____
 2. What direction does the sun rise in winter? _____
 3. What direction does the sun rise in fall/spring? _____
 4. How long is the sun out in fall/spring? _____
 5. How long is the sun out in winter? _____
 6. How long is the sun out in summer? _____
 7. What direction do you look to see the noon time sun? _____
 8. What direction do you look to see polaris? _____
 9. From sunrise to noon, what happens to the length of a shadow? _____
 10. From noon to sunset, what happens to the length of a shadow? _____
 11. From sunrise to noon, what happens to the angle of insolation and intensity of insolation? _____
 12. From noon to sunset, what happens to the angle of insolation and intensity of insolation? _____
 13. What season does the sun have the greatest insolation? _____
 14. What season does the sun have the least insolation? _____
 15. Does the sun ever reach the zenith in NYS? _____
 16. What direction does the sun set during winter? _____
 17. What direction does the sun set during fall/spring? _____
 18. What direction does the sun set during summer? _____
 19. Does the sun physically move across the sky? _____ Explain!
-
20. From season to season, how many degrees does the noon time sun shift in the sky? _____
 21. Why is it so cold in NY during winter? _____
 22. Why is it so hot in NY during summer? _____
 23. Why does the sun shift its position along the horizon with the changing seasons? _____
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24. On the shadow diagram, what letter represents South? _____