

1. 21.6 cm = 0.216 m
2. Carbon-14
3. 4,500,000,000 years (4½ billion years)
4. 12.5 grams
5. Water (as a liquid)
6. Evaporating the 10 g of water (Almost 7 x as much)
7. % Deviation = Difference/Accepted Value x 100 = 5 cm³/25 cm³ = 20%
8. Gradient = D Field Value/D Distance = 150 m/3 km = 50 m/km
9. (various)
10. Adirondack Mountains
11. Allegheny Plateau
12. West
13. 44°N, 76°W

14. 408 - 438 million years
15. About 75 km
16. 175 m - 75 m = 100 m
17. Sedimentary
18. Adirondack Mountains
19. The North Atlantic Drift
20. It is cooled by the Peru Current.
21. Falkland Current
22. West
23. A Spreading Boundary
24. San Andreas Fault.
25. India is colliding with the continent of Asia.
26. Yellowstone (In Wyoming)
27. Deposition
28. Pebbles
29. Gabbro has larger crystals (It is coarser grained.)
30. Plagioclase Feldspar
31. About 300 cm/s
32. Plagioclase, Pyroxene, Biotite, Amphibole and Olivine

33. Quartz, Feldspar and Clay
34. Shale
35. Halite
36. Mica
37. Nonfoliated

38. MARBLE
39. Between the Triassic and the Cretaceous
40. Approximately 4.6 billion years
41. The Cambrian
42. Permian and Tertiary
43. Mammals
44. 200-600 km and 2900 - 4800 km
45. About 6300 km; About 12600 km
46. Iron and Nickel
47. The Crust (or the Lithosphere); The Inner Core
48. The Crust (or the Lithosphere)

49. Hydrogen and Oxygen
50. 17 minutes; 9 minutes, 25 seconds
51. About 3500 km
52. Iron
53. 3000 km
54. -9°C
55. 19%
56. Frost (solid) would form instead of dew (liquid).
57. 273°K; 32°F
58. 29.92 inches of mercury
59. 65°F; 18°C
60. 1023.1 mb and falling
61. 5 knots from the northwest; 25% Cloud cover
62. Moist and Warm
63. It Decreases
64. Sea level
65. Infrared
66. $4-7 \times 10^{-5}$ cm

67. From the North West
68. Rising air cools causing precipitation.
69. Just over one part in 10,000. (About $\frac{1}{100}$ of 1%)
70. Temperature and color
71. Betelgeuse is more red in color.
72. Jupiter
73. Pluto
74. Venus
75. Approximately 100 times
76. Potassium Feldspar
77. Graphite and Sulfur
78. Pyroxene cleaves at right angles.
79. Galena and Halite also form cubic crystals.