

General Chemistry II Jasperse
Solutions and Solubility. Extra Practice Problems

Answers

1. e
2. a
3. 3-2-1-4
4. 3-2-1-4
5. 2-3-4-1
6. 2-3-4-1
7. 2-3-4-1
8. 3-2-1-4
9. 2-1-3-4
10. 4-3-2-1
11. 4-3-2-1
12. 1-2-3 ($0^{\circ}\text{C} > 40^{\circ}\text{C} > 80^{\circ}\text{C}$)
13. 1-2-3 ($20^{\circ}\text{C} > 50^{\circ}\text{C} > 80^{\circ}\text{C}$)
14. 3-1-2-4
15. 4-1-2-3
16. e
17. b
18. c
19. c
20. b
21. e
22. Br_2
23. Cl_2
24. e
25. Normal Boiling points (**very** approximately):
 Substance A 60°C Substance B 90°C Substance C 125°C Substance D 150°C
26. Vapor pressures (**very** approximately):
 Substance A at 40°C : 0.7 atm B at 40°C : 0.5 atm C at 100°C : 0.6 atm D at 100°C : 0.4 atm
27. e
28. 4-3-1-2
29. 3-1-4-2
30. higher
31. water
32. d
33. a
34. d
35. d
36. c
37. e
38. b
39. d
40. b
41. b
42. b
43. c
44. b
45. How many moles solute, rank of depression:
 - Moles: 1-2-3-4
 - Depression rank: 4-3-2-1
46. 0.5 moles of $\text{Al}(\text{NO}_3)_3$
47. b
48. a
49. e
50. a