

Chemistry 236
Freezing Point Depression Study Problems -- Answers

1. d
2. c
3. a
4. b
5. c
6. e (0.625 M, since H₂SO₄ has two neutralizable H's)
7. d
8. a
9. d
10. b
13. $\alpha = 0.217$ and $\Delta T = -0.451$ K.
14. (a) Expected ΔT (simple treatment) = -1.028 K.
(b) $\phi = 0.9625$; $a_A = 0.99044$; $\gamma_A = 1.00042$.