

CHEMISTRY 342 PROBLEMS

Summer 2009

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Chapter Recommended Book Problems

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| 14 | 2, 3, 5-9, 22, 24, 26 (major), 32, 33 (ignore stereo of phenyl group), 34, 36 (predict major), 37, 39 |
| 15 | 1, 2a,c,d, 3, 8, 9, 12, 18b-d,f, 19c-e, 37a |
| 16 | 1, 6, 9, 10, 13, 15, 23, 24b, 29, 30a,c-f, 31a,b, 32, 33a,c,d, 34b-d, 35 (just rank), 37, 46, 48-50, 51a,d, 52b,d, 53a, 54a |
| 17 | 2, 3, 5, 6-10, 13 (or H ₂ SO ₄ , heat), 14, 15, 25a-e, 30, 33, 34, 36, 40, 41 |
| 19 | 1a,b,d-f, 2a,b,e,f, 3a,b, 4, 5, 10 (ethylamine part), 11, 14, 16a-e, 30a-h, 32a,c-e, 34a-e,h, 37, 39, 40 |
| 22 | 1, 7a-c, 10, 13, 16a,c,f, 20, 21, 22a,b, 23a,b,d, 26, 27, 28a-c, 35 |
| 23 | 1, 3, 5, 8, 11, 14, 28a-c, 29, 35, 37, 39 (major) |
| 24 | 2, 4, 5 (stronger), 6, 8, 11, 18c, 30, 31, 32a-d, 35a-c, 40a-c,e,f |
| 20 | 1a-d, 2a,b,d, 3, 9, 10, 21b,d,f,g, 21a-d, 25b,c, 26a,c, 27a-c, 28, 39, 43a-b |
| 21 | 1c,f, 2a, 3, 4, 5, 7, 9, 11, 12, 14, 15, 32d,g, 33d, 36a,c-e,g,h, 37-39 (parts e-g for each) |