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Year 12 Chemistry Self-Assessment Topic 2: Managing Chemical Processes

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| **Learning Intention** | **Formative Test Question** | **Chapter Questions** | **Proficiency** | **Comments/questions** |
| Graphs of rate | 1(b) | 45(a)-(d)  46(a)-(d)  47(a)-(c) |  |  |
| Rate factors | 1(a),(c)  3(a) | 43-44, 45(e), 46(e), 47(d),  48-49 |  |  |
| Energy profile | 2(a) | 42 |  |  |
| Equilibrium graphs | 4(a)  5(c)(i) | 51(a),(d), 52(d), 56(b), 59(b), 64(a) |  |  |
| Kc calculations | 6(a)-(c)  5(a)-(b) | 50, 51(b)-(c), 52(a)-(c), 53, 64(b) |  |  |
| Le Châtelier’s principle | 4(b)  5(c)(ii) | 54-55, 56(a), 57-58, 59(a), 60-63, 64(c), 65 |  |  |
| Flow charts | 2(b)  3(b) | 69(a)-(c) |  |  |
| Industrial processes | 6(d) | 66-68, 69(d)-(e) |  |  |