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Year 12 Chemistry Self-Assessment Topic 1: Monitoring the Environment

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| **Learning Intention** | **Review Test Question** | **Chapter Questions** | **Proficiency** | **Comments/questions** |
| Greenhouse effect | 1(a)1(b)(1) | 1-3 |  |  |
| Global warming | 1(b)(2) | 4-6 |  |  |
| Ocean acidification | 1(c) | 7-11 |  |  |
| Acid-carbonate reactions | - | 12-13 |  |  |
| Nitrogen oxides and photochemical smog | 3(d) | 14-15 |  |  |
| Unit conversion | 2(b)(7) | 16-18 |  |  |
| Stoichiometric calculations | 2(a) | 19-22 |  |  |
| Titration skills | 2(b) | 23-30 |  |  |
| Chromatography techniques | 3(c) | 31(b),32(c), 33(d),34(b), 35(b),36(b) |  |  |
| Rf values and retention times | 3(a)-(b) | 31-36 |  |  |
| Ion exchange | - | 37-39 |  |  |
| Electron configuration | - | 40 |  |  |
| Unique wavelengths | 5(f) | 41(e) |  |  |
| Atomic absorption spectroscopy | 5 | 41-42 |  |  |