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Year 11 Chemistry Self-Assessment Topic 1: Materials and Their Atoms

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| **Learning Intention** | **Review Test Question** | **Chapter Questions** | **Proficiency** | **Comments/questions** |
| Uses of materials and nanomaterials | 2(e), 4(a)(4) | 1-7 |  |  |
| Separation of components of a mixture | 2(a)-(c), 4(a)(1)-(3) | 8-9 |  |  |
| Structure and spectra of atoms | 1(a)-(f) | 10-12 |  |  |
| Isotopes of elements | 1(g)(1) | 13 |  |  |
| Electron configuration using subshell notation | 1(c) | 14 |  |  |
| Relative atomic mass | 1(g)(2) | 15-16 |  |  |
| Mass-mole calculations | 1(g)(3), 2(d) | 17-20 |  |  |
| Trends on the periodic table | 3(a)(1)-(3), 3(b) | 21-22 |  |  |
| Position of an element in the periodic table | 3(a)(4)-(5) | 23 |  |  |