



### **Science Revision Audit**

Use this audit to check which topics you feel confident with, which ones you need more practice on, and which ones you're unsure about. This will help you focus your revision time more effectively.

| <b>Topic</b>                                            |                 |                       |                  |
|---------------------------------------------------------|-----------------|-----------------------|------------------|
| <b>Biology</b>                                          | <b>Not sure</b> | <b>Needs Practice</b> | <b>Confident</b> |
| Cell structure and transport                            |                 |                       |                  |
| Cell division (mitosis)                                 |                 |                       |                  |
| Organisation (tissues, organs, systems)                 |                 |                       |                  |
| The digestive system & enzymes                          |                 |                       |                  |
| The circulatory system<br>(heart, blood, blood vessels) |                 |                       |                  |
| Respiration (aerobic & anaerobic)                       |                 |                       |                  |
| Photosynthesis                                          |                 |                       |                  |
| The nervous system & reflexes                           |                 |                       |                  |
| Homeostasis (temperature, water balance, blood glucose) |                 |                       |                  |

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| <b>Biology</b>                                                           | <b>Not sure</b> | <b>Needs Practice</b> | <b>Confident</b> |
|--------------------------------------------------------------------------|-----------------|-----------------------|------------------|
| Hormones & the endocrine system                                          |                 |                       |                  |
| Inheritance, variation, and evolution (DNA, genetics, natural selection) |                 |                       |                  |
| Ecology (ecosystems, cycles, biodiversity, human impact)                 |                 |                       |                  |

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| <b>Chemistry</b>                                                              | <b>Not sure</b> | <b>Needs Practice</b> | <b>Confident</b> |
|-------------------------------------------------------------------------------|-----------------|-----------------------|------------------|
| Atomic structure and the periodic table                                       |                 |                       |                  |
| Structure and bonding<br>(ionic, covalent, metallic)                          |                 |                       |                  |
| Properties of materials (metals, alloys,<br>polymers, nanoparticles)          |                 |                       |                  |
| Chemical calculations (relative masses,<br>moles)                             |                 |                       |                  |
| Chemical changes (reactions of acids,<br>electrolysis, reactivity series)     |                 |                       |                  |
| Energy changes (endothermic & exothermic<br>reactions)                        |                 |                       |                  |
| Rates of reaction and factors affecting them                                  |                 |                       |                  |
| Organic chemistry basics (hydrocarbons,<br>alkanes/alkenes, crude oil, fuels) |                 |                       |                  |

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| <b>Chemistry</b>                                                                     | <b>Not sure</b> | <b>Needs Practice</b> | <b>Confident</b> |
|--------------------------------------------------------------------------------------|-----------------|-----------------------|------------------|
| Chemical analysis (purity, chromatography, tests for gases/ions)                     |                 |                       |                  |
| The Earth's atmosphere<br>(composition, evolution, greenhouse gases, climate change) |                 |                       |                  |
| The Earth's resources (finite vs renewable, water treatment, sustainability)         |                 |                       |                  |

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| <b>Physics</b>                                                             | <b>Not sure</b> | <b>Needs Practice</b> | <b>Confident</b> |
|----------------------------------------------------------------------------|-----------------|-----------------------|------------------|
| Energy stores and transfers                                                |                 |                       |                  |
| Work, power, and efficiency                                                |                 |                       |                  |
| Particle model of matter (states, density, specific heat capacity)         |                 |                       |                  |
| Atomic structure and radiation (isotopes, half-life, nuclear radiation)    |                 |                       |                  |
| Forces (Newton's laws, motion, momentum)                                   |                 |                       |                  |
| Waves (properties, sound, light, electromagnetic spectrum)                 |                 |                       |                  |
| Electricity (current, voltage, resistance, circuits, domestic electricity) |                 |                       |                  |
| Magnetism and electromagnetism (magnets, electromagnets, motors)           |                 |                       |                  |

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