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| 1. History of atomic models |
| 1. Scientific notation |
| 1. Metric system |
| 1. Metric conversions |
| 1. Atomic #s (counting protons, neutrons, electrons) |
| 1. Isotopes |
| 1. The mole and molar mass |
| 1. Dimensional analysis |
| 1. Molar conversions |
| 1. Orbitals |
| 1. Orbital diagrams |
| 1. e- configurations |
| 1. Atomic absorption and emission |
| 1. Types of nuclear decay |
| 1. Nuclear equations |
| 1. Half life |
| 1. Decay series |
| 1. Structure of the periodic table |
| 1. Periodic trends |
| 1. Common ions |
| 1. Types of bonds |
| 1. Naming molecules and compounds |
| 1. Writing formulas |
| 1. Lewis structures with only single bonds |