



Year 9 Annual Exam for Chemistry

Topic Name	Subtopic	Resources (notes/video/questions)
5C Matter 3	☐ Atoms, elements, compounds, and mixtures ☐ Separation techniques – mixtures ☐ History of atomic structure ☐ Atomic structure ☐ Periodic table and its history ☐ Group 1 (alkali metals), group 7 (halogens) and group 0 (noble gases)	Notes NOT 1.1.3 and 1.1.4 Video Questions Both 1.1 and 1.2
6C Matter 4	☐ Ionic Bonding ☐ Covalent Bonding ☐ Metallic bonding ☐ Giant covalent molecules (diamond, graphite, graphene) and fullerene ☐ Polymers	Notes Video Questions 2.1-2.3
7C Reactions 3	☐ What is rate of reaction? ☐ Measuring average rate using data ☐ Measuring average rate and rate at a certain time from graph ☐ Effect of temperature on rate ☐ Effect of surface area on rate ☐ Effect of concentration on rate ☐ Effect of pressure on rate ☐ Effect of catalyst on rate	Notes NOT 6.2 reversibility and equilibrium Video up to 10:04 only Questions 6.1 ONLY
8C Earth chemistry	☐ Changes in atmosphere ☐ Greenhouse effect ☐ What is hydrocarbon and alkanes? ☐ What is crude oil? ☐ How can we separate crude oil?	Notes (atmosphere) Notes (hydrocarbons) NOT 9.3 Causes of pollution and NOT 7.1.3 and 7.1.4 Video (up to 3.45 only) Video Question on atmosphere (9.1&9.2) Questions on Fuels (only alkanes and fractional distillation)