

CHEMISTRY VIDEOS

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Chapter 1: The particulate nature of matter:

- <https://www.youtube.com/watch?v=kcvM5wq7luM> – The overview
- <https://www.youtube.com/watch?v=Ku0oTu8ZWqk> – The structures and properties of the three states of matter
- <https://www.youtube.com/watch?v=aLIJVwzoD-c> – The kinetic theory of matter
- <https://www.youtube.com/watch?v=4m5JnJBq2AU> – Brownian motion
- <https://www.youtube.com/watch?v=p6XeJtWyYf4> – Factors and more on Brownian motion.
- <https://www.youtube.com/watch?v=lxHMJaXOzP4> – Diffusion and the factors affecting it

Chapter 2: Experimental techniques:

- <https://www.youtube.com/watch?v=VE3W1Xw-E-g> – The various types of lab apparatus and setups
- <https://www.youtube.com/watch?v=chODOKSPJS4> – Further detail upon lab apparatus and setups.
- <https://www.youtube.com/watch?v=TdJ57SQ6GAQ> – Paper Chromatography
- <https://www.youtube.com/watch?v=P8i4QYncQxl> – Analysing Paper Chromatography
- https://www.youtube.com/watch?v=vi_SJBnxmHo – Filtration, Crystallisation, Evaporation
- <https://www.youtube.com/watch?v=eQlnHr9g6lo> – Simple and Fractional Distillation
- <https://www.youtube.com/watch?v=7oqLUIHpgOc> – Separating Funnel

Chapter 3: Atoms, Elements and Compounds:

- <https://www.youtube.com/watch?v=KwOHJbE4Tro> – Atomic structure, isotopes, electron shells
- <https://www.youtube.com/watch?v=UYvx0O8itMA> – Radioisotopes
- <https://www.youtube.com/watch?v=DZ6Ap8Zyb9w> – Elements, Mixtures and Compounds
- https://www.youtube.com/watch?v=D_weVnW7-ds – Pure and Impure substances
- <https://www.youtube.com/watch?v=Rc2JBp91V7o> – Metals and Non-Metals.
- https://www.youtube.com/watch?v=Ku0oTu8ZWqk&list=PL9louNCPbCxXmFg_iKCM60Sglh-qOG_vIE - Ionic, Covalent, Macromolecular and metallic bonding.

Chapter 4: Stoichiometry:

- <https://www.youtube.com/watch?v=BG7OZr-TAbQ> – stoichiometry and mole concept.

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Chapter 8: Acids, Bases and Salts:

- <https://www.youtube.com/watch?v=9zdKq2-6Qm8> – Acids, Bases and Salts (in most of its entirety)
- <https://www.youtube.com/watch?v=bH3WD0S3ZbA> – types of oxides
- https://www.youtube.com/watch?v=lpM_VCMPFug – Soluble salt preparation
- <https://www.youtube.com/watch?v=qI0Sm31MUdA> – Insoluble salt preparation
- <https://www.youtube.com/watch?v=bHnUWRiWhi0> – identification of ions and gases.

Chapter 9: The periodic table:

- <https://www.youtube.com/watch?v=0RRVV4Diomg> – the periodic table
- <https://www.youtube.com/watch?v=CmiitvJiCPc> – the group 1 metal (alkali) properties and trends
- https://www.youtube.com/watch?v=yW_C10cEzMk – group 7 metals (halogens) properties and trends
- <https://www.youtube.com/watch?v=m0Uj7mSC6HU> – the transition metal properties and uses
- <https://www.youtube.com/watch?v=ia2sILs5Qkk> – transition metals (further)
- <https://www.youtube.com/watch?v=qNaBMvJXdJ4> – noble gases properties and their uses

Chapter 10: Metals:

- <https://www.youtube.com/watch?v=MDQr5QFVGkk> – reactivity series
- <https://www.youtube.com/watch?v=JC3jf7DFbJc> – extraction of iron
- <https://www.youtube.com/watch?v=PD66KzMpInU> – extraction of zinc
- <https://www.youtube.com/watch?v=A-wTpLPICd0> – metals and alloys
- <https://www.youtube.com/watch?v=KgUmNQD6m5Q> – alloys and their properties