3 · Practical Skills in Chemistry I

Pearson Edexcel · International A-Level · Chemistry · Vocabulary in context

Word	Example
core practical /kɔː ˈpræktɪkl/	A **core practical** develops techniques used in written practical questions.
flame test /fleɪm test/	In a **flame test**, sodium gives a yellow flame.
precipitate /prɪˈsɪpɪteɪt/	A white **precipitate** forms when silver nitrate meets chloride ions.
ionic /aɪˈɒnɪk/	An **ionic** compound contains positive and negative ions.
redox /rɪˈdɒks/	A **redox** reaction has oxidation and reduction together.
drying agent /ˈdraɪɪŋ ˈeɪdʒənt/	A **drying agent** removes traces of water from a product.
deliquescent /dɪlɪˈkwesənt/	A **deliquescent** solid absorbs moisture until it dissolves.
gas syringe /gæs sɪˈrɪndʒ/	A **gas syringe** measures the volume of gas collected.
burette /bjʊəˈret/	A **burette** delivers measured volumes during a titration.
volumetric flask /ˌvɒljuːˈmetrɪk flæsk/	Make up the solution to the mark in a **volumetric flask**.
titration /taɪˈtreɪʃn/	A **titration** finds the exact volume of acid needed.
standard solution /ˈstændəd səˈluːʃn/	A **standard solution** has a known concentration.

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clock reaction /klɒk rɪˈækʃn/	A **clock reaction** changes appearance after a measurable delay.
distillation /dɪstɪˈleɪʃn/	**Distillation** separates ethanol from water.
reflux /ˈriːflʌks/	Heat under **reflux** so that nothing boils away.
meniscus /ˈmenɪskəs/	Read the bottom of this liquid's **meniscus** at eye level.
uncertainty /ʌnˈsɜːtənti/	The length is 25.0 cm with an **uncertainty** of 0.1 cm. 25.0 cm 0.1 cm
enthalpy change /enˈθælpi tʃeɪndʒ/	The **enthalpy change** of this reaction is −50 kJ/mol. −50 kJ/mol
displace /dɪˈspleɪs/	A more reactive metal can **displace** a less reactive metal from solution.
heat loss /hiːt lɒs/	**Heat loss** can reduce the measured temperature rise.
concordant /kənˈkɔːdənt/	**Concordant** titres agree closely with one another.