Carboxylic acids and derivatives

A-Level Chemistry · Vocabulary in context

Word	Example
carboxylic acid /ˌkɑːbəkˈsɪlɪk ˈæsɪd/	Ethanoic acid is a **carboxylic acid**.
oxidation /ˌɒksɪˈdeɪʃn/	**Oxidation** is the loss of electrons.
alcohol /ˈælkəhɒl/	Ethanol is an **alcohol**.
aldehyde /ˈældɪhaɪd/	Ethanal is an **aldehyde**.
reflux /ˈriːflʌks/	Heat under **reflux** so that nothing boils away.
hydrolysis /haɪˈdrɒləsɪs/	**Hydrolysis** uses water to break a large molecule into smaller ones.
nitrile /ˈnaɪtraɪl/	Ethanenitrile is a **nitrile**: it has a C≡N group. C≡N
ester /ˈestə/	Fruity smells often come from an **ester**.
redox /rɪˈdɒks/	A **redox** reaction has oxidation and reduction together.
salt /sɒlt/	Sodium chloride is a **salt**.
neutralisation /ˌnjuːtrəlaɪˈzeɪʃn/	**Neutralisation** of an acid with a base gives a salt and water.
carbonate /ˈkɑːbəneɪt/	Calcium **carbonate** fizzes with acid.
esterification /ˌestəˌrɪfɪˈkeɪʃn/	**Esterification** joins an alcohol and an acid to make an ester.
reduction /rɪˈdʌkʃn/	**Reduction** is the gain of electrons.

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condensation /kɒnden'seɪʃn/	In **condensation**, two molecules join and give off water.

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