TERMINATIONS IN -ous.

The accent follows the general rule (as plā'tinous, sū'lfurous, phō'sphorous, cobāl'tous). Exception: acēt'ous.

TERMINATIONS IN -ate AND -ite.

The accent follows the general rule (as ā'cetāte, vā'nadāte). In the following words the accent is thrown back: ā'bietāte, ā'coholāte, ā'cetōnāte, ā'ntimonite.

TERMINATIONS IN -id (FORMERLY -ide).

The final e is dropped in every case and the syllable pronounced id (as chlō'rid, iodid, hȳ'drid, ō'xid, hȳdrō'xid, sū'fid, ā'mid, ā'nīlid, mūrē'xid).

TERMINATIONS IN -ane, -ene, -ine AND -one.

The vowel of these syllables is invariably long (as mē'thāne, ē'thāne, nā'phthalēne; ā'nthrācēne, prō'pine, quī'nōne, ā'cetōne, kē'tōne).

A few dissyllables have no distinct accent (as benzēne, xylēne, cētēne).

The termination -ine is used only in the case of doubly unsaturated hydrocarbons, according to Hoffmann's grouping (as propīne).

TERMINATIONS IN -in.

In names of chemical elements and compounds of this class, which includes all those formerly ending in -ine (except doubly unsaturated hydrocarbons) the final e is dropped, and the syllable pronounced -in (as chlō'rīn, brō'mīn, etc., ā'mīn, ā'nīlīn, mō'rphīn, quī'nīn (kwī'nīn), vā'nīlīn, alloxā'n-tīn, absī'nthīn, emū'lsīn, cā'ffeīn, cō'cāīn).

TERMINATIONS IN -ol.

This termination, in the case of specific chemical compounds, is used *exclusively* for alcohols, and when so used is never followed by a final e. The last syllable is pronounced -ol (as glȳ'cōl, phē'nōl, crē'sōl, thȳ'mōl (ti), glȳ'cerol, quī'nōl. Exceptions: ā'leohōl, ārgōl.

TERMINATIONS IN -ole.

This termination is always pronounced -ōle, and its use is limited to compounds which are not alcohols (as ī'ndōle).

TERMINATIONS IN -yl.

No final e is used; the syllable is pronounced yl (as ā'cetȳl, ā'mȳl, cē'rotȳl, cē'tȳl, ē'thȳl).

TERMINATIONS IN -yde.

The y is long (as ā'ldēhȳde).

TERMINATIONS IN -meter.

The accent follows the general rule (as hȳdrō'meter, barō'meter, lactō'meter). Exception: words of this class used in the metric system are regarded as compound words, and each portion retains its own accent (as cē'ntime'ter, millīme'ter, kī'lome'ter).

MISCELLANEOUS WORDS

which do not fall under the preceding rules.

Note the spelling: albumen, albuminous, albuminiferous, asbestos, gramme, radical.

Note the pronunciation: ā'lkalīne, ā'lloy (n. & v.), ā'llo'tropy, ā'llo'tropism, ī'somerism, pōlymerism, apparātus (sing. & plu.), āqua regia, bārȳta, cēntigrade, cōncētrated, crystallīn or crystalline, electrōlysis, līter, mō'lecule, mōlēcūlar, nō-menclā'ture, olēfiant, vā'lence, ū'nivā'lent, bī'vā'lent, trī'vā'lent, quā'drivā'lent, tīttrate.

A LIST OF WORDS WHOSE USE SHOULD BE AVOIDED IN FAVOR OF THE ACCOMPANYING SYNONYMS.

For— Use—

sodic, calcic, zincic, sodium, calcium, nickelic, etc., chlorid, zinc, nickel, etc., etc., chlorid, etc. (vid. terminations in -ic supra).

arsenated hydrogen, arsin
antimonated.....stibin

hydrogen
phosphoretted.....phosphin

hydrogen
sulfuretted.....hydrogen sulfid, etc.
hydrogen, etc.

beryllium.....glucinum
niobium.....columbium

glycerin.....glycerol
hydroquinone.....quinol

(and hydrochinon)
pyrocatechin.....catechol

resorcin, etc.....resorcinol, etc.
mannite.....mannitol

dulcite, etc.....dulcitol, etc.
benzol.....benzene

toluol, etc.....toluene, etc.
thein.....caffeine

furfural.....furfuraldehyde
fucosol.....fucosaldehyde

anisol.....methyl phenate
phenetol.....ethyl phenate

anethol.....methyl allylphenol
alkylogens.....alkyl haloids

titer (n.).....strength or standard
titer (v.).....titrate

monovalent.....univalent
divalent, etc.....bivalent, etc.

quantivalence.....valence
Fate, fāt, fār, mēte, mēt, pīne, pīn, marīne, nōte,

nōt, mōve, tūbe, tūb, rūle, mȳ, ŷ=ī.
'Primary accent; "secondary accent.

N. B.—The accent follows the vowel of the syllable upon which the stress falls, but does not indicate the division of the word into syllables.

DIFFUSION OF GASES.

By ALEXANDER JOHNSTONE.

As illustrating a lecture on oxygen or air, a strong solution of pyrogallie acid in KHO or NaHO is often exposed to the gas or the atmosphere to show its great power of absorbing free oxygen, and its instant change

of color when exposed to it. This experiment "tells better" if a clear colorless solution of alkaline pyrogallol be shown to the class before exposure to oxygen. This can be done very easily and quickly. Into a rather deep test glass, such as is ordinarily used in lecture experiments, place some solid pyrogallie acid and then a little water, just enough to barely dissolve it. Next put a small handful of sodium carbonate into a flask and cover with HCl to drive the CO₂ off. Pour the CO₂ gas into the glass above the pyrogallol, and then add the KHO to the latter. The class will see that the alkaline solution below the CO₂ remains colorless. To show the change caused by the presence of O, pass the latter from a tube into the lower stratum of the CO₂ covering, or incline the glass so as to throw out the CO₂ and admit the air. The change will be instantaneous.

This experiment should also be of service in making evident to the eye the diffusion of gases—the heavier CO₂ slowly mixing upward with the air and the latter downward with the CO₂, as evinced by the assumption of color by the pyrogallate and the gradual deepening of the coloration as the diffusion progresses.—*Chem. News.*

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