

***Nomenclature of Organic Chemistry. IUPAC Recommendations  
and Preferred Names 2013.***

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**Appendix 1**

**Seniority list of elements and 'a' terms used in skeletal replacement ('a') nomenclature, in decreasing order of seniority**

Element	'a' Term
F	fluora
Cl	chlora
Br	broma
I	ioda
At	astata
O	oxa
S	thia
Se	selena
Te	tellura
Po	polona
Lv	livermora
N	aza
P	phospha
As	arsa
Sb	stiba
Bi	bisma
C	carba
Si	sil
Ge	germa
Sn	stanna
Pb	plumba
Fl	flerova
B	bora
Al	alumina
Ga	galla
In	inda
Tl	thalla
Zn	zinca
Cd	cadma
Hg	mercura
Cn	copernica
Cu	cupra
Ag	argenta
Au	aura
Rg	roentgena
Ni	nickela

Pd	pallada
Pt	platina
Ds	darmstadta
Co	cobalta
Rh	rhoda
Ir	irida
Mt	meitnera
Fe	ferra
Ru	ruthena
Os	osma
Hs	hassa
Mn	mangana
Te	techneta
Re	rhenia
Bh	bohria
Cr	chroma
Mo	molybda
W	tungsta
Sg	seaborga
V	vanada
Nb	nioba
Ta	tantala
Db	dubna
Ti	titana
Zr	zircona
Hf	hafna
Rf	rutherforda
Sc	scandia
Y	yttria
La	lanthana
Ce	cera
Pr	praseodyma
Nd	neodyma
Pm	promethia
Sm	samarita
Eu	europa
Gd	gadolina
Tb	terbia
Dy	dysprosia
Ho	holmia
Er	erbia
Tm	thulia
Yb	ytterbia
Lu	lutetia
Ac	actina
Th	thoria
Pa	protactina
U	urana

Np	neptuna
Pu	plutona
Am	america
Cm	cura
Bk	berkela
Cf	california
Es	einsteina
Fm	ferma
Md	mendeleva
No	nobela
Lr	lawrenca
Be	berylla
Mg	magnesa
Ca	calca
Sr	stronta
Ba	bara
Ra	rada
Li	litha
Na	soda
K	potassa
Rb	rubida
Cs	caesa
Fr	franca
He	hela
Ne	neona
Ar	argona
Kr	kryptona
Xe	xenona
Rn	radona