

1Lanz Chemistry

UPPERCASE:

~	!	@	#	\$	%	^	&	*	()	-	+
≈	∴	@	#	δ+	δ-	^	∞	∞	()	—	+

Q	W	E	R	T	Y	U	I	O	P	{	}	
Q	W	Be	Br	T	Y	U	I	O	P	{	}	

A	S	D	F	G	H	J	K	L	:	“
Na	S	Si	F	G	H	J	K	Cl	:	∴

Z	X	C	V	B	N	M	<	>	?
Z	X	C	V	B	N	≤	≪	≫	≥

LOWERCASE:

`	1	2	3	4	5	6	7	8	9	0	-	=
≈	1	2	3	4	5	6	7	8	9	0	-	≠

q	w	e	r	t	y	u	i	o	p	[]	\
≠	=	≥	-	=		//	≡	≡	□	⊠	⊞	\









a	s	d	f	g	h	j	k	l	;	‘
←	—	→	↑	↓	↗	↖	ħ	ℓ	∴	∴

z	x	c	v	b	n	m	,	.	/
↙	⋯	c	v	b	↘	↙	,	.	/

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EXTENDED CHARACTERS:

Extended Characters are accessed by **holding** down the <Alt> key and typing the ascii code as a 4 digit number. The following characters are available in the extended region to keep Cullen happy.

Code	0191	0192	0193	0194	0195	0196	0197	0198
								

MATH SYMBOLS:

The following symbols (described in "Quantities, Units and Symbols in Physical Chemistry", published by IUPAC Physical Chemistry Division in 1988, p. 75) are also available:

Symbol	Access Char.	Description
=	t	equal to
≠	=	not equal to
≡	o	identically equal to
≈	`	approximately equal to
∞	~	asymptotically equal to
∝	<Shift 7>	proportional to
∞	<Shift 8>	infinity
≤	M	less than or equal to
≥	?	greater than or equal to
≪	<	much less than
≫	>	much greater than

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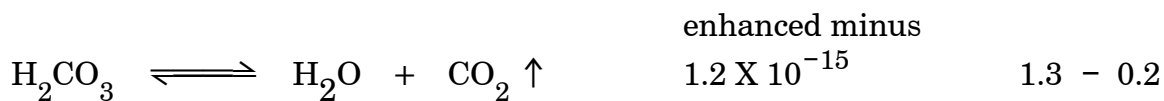
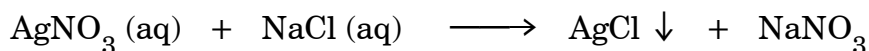
The font set, "1Lanz Chemistry", is a true type font to be found in a file named **1LanzCHE.ttf** which may be installed in windows. Go to the fonts icon in the windows control panel. If you are updating an early version use the **remove** option to eliminate the old copy before doing an **add** of the new version.

NOTE: The printed rendering of this font is crisp and clear, but the screen version has some minor imperfections. Professional fonts have their screen versions fine tuned. This is not possible in Fontographer 4.1 which has been used to generate these fonts. There is no problem with the printed font.

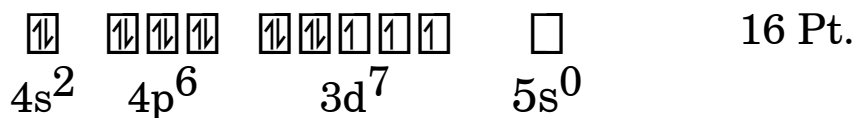
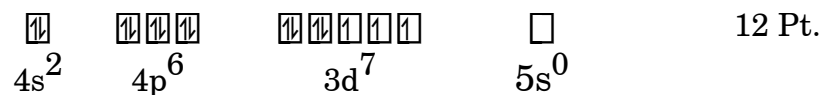
This set has been designed to provide some useful chemical symbols including equilibrium arrows, and various single, double, and triple bonds. It also has sets of bonds at 90 and 45 degree angles, pairs of electrons, orbital diagrams, etc. The basic symbols are adjusted to provide **fixed-width** capability and common symbols used with simple organic molecules in a single character.

The easiest way to draw the organic structures is to create a grid of spaces (using 1Lanz Chemistry with the same fixed-width spaces) and then use the overstrike or insert feature of your word processor to move around the grid, inserting elements, bonds, or pairs of electrons. Note: δ^+ and δ^- are single characters as are Na, Cl, Br, Si and Be which facilitate the grid.

I intend to maintain the basic positions of characters to provide a constancy for future additions to the set. Planck's constant / 2π is probably of limited use and may be eliminated.

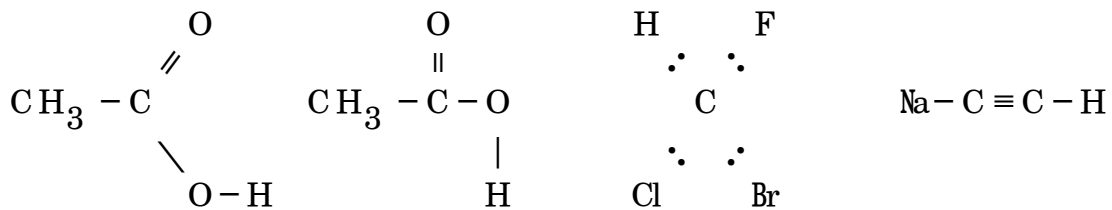


Orbital Diagrams:

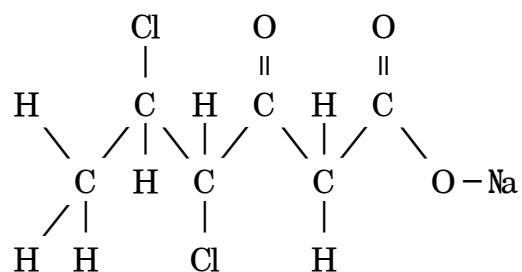


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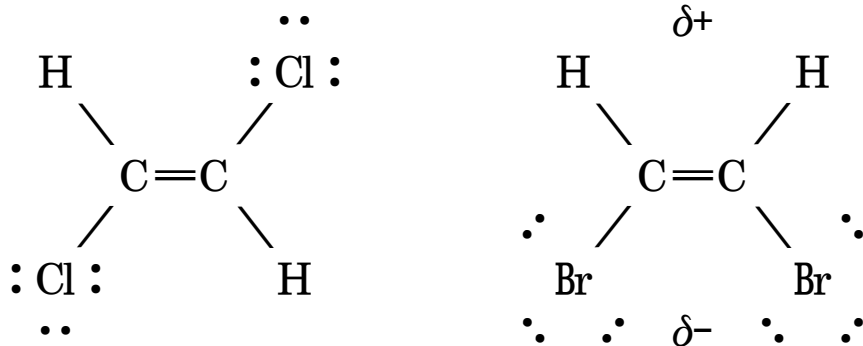
FIXED WIDTH FONT:



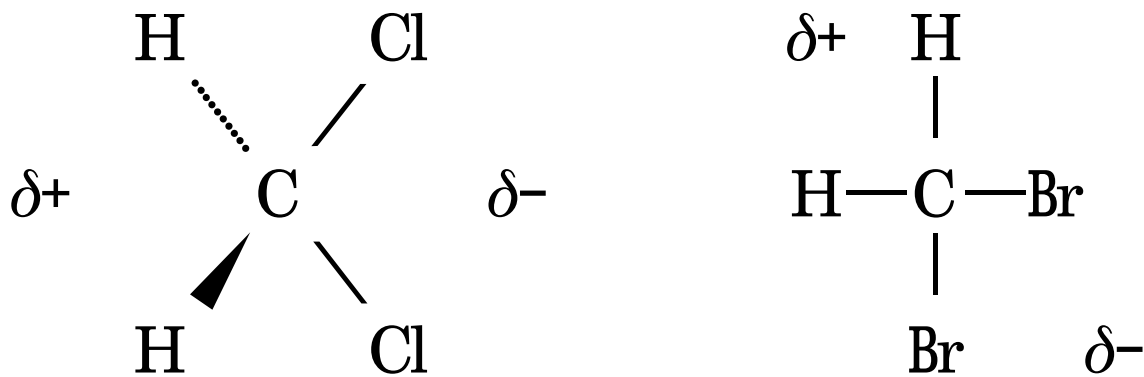
12 Point



16 Point



24 Point



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1LanzChemistry (file named 1LanzCHE.ttf) is a TrueType Font set designed by Frank M. Lanzafame for use in generating Chemistry Text. It was generated using Macromedia's Fontographer 4.1 and it may be embedded in PDF files such as this one, generated by Adobe's Acrobat 5. Comments are welcomed.

It may be shared freely, but it is not to be sold.

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