

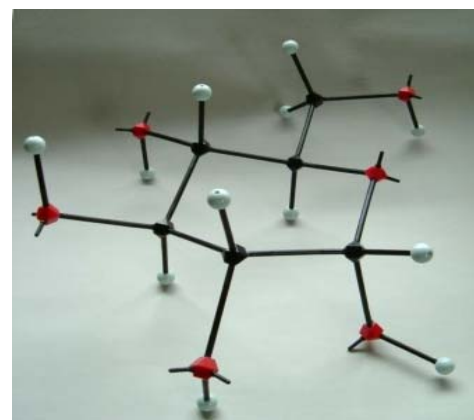
Assembled Models



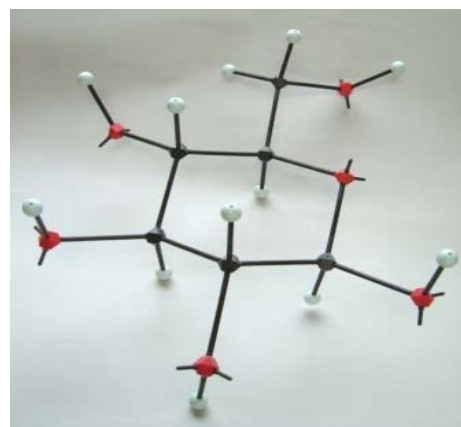
Cyclohexane C₆H₁₂
(chair form)



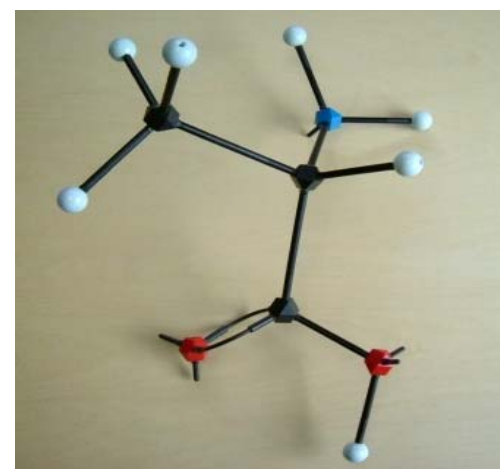
Cyclohexane C₆H₁₂
(boat form)



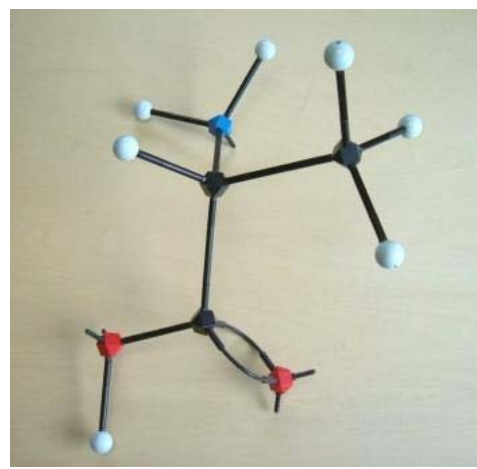
α -D-Glucopyranose
(α -Glucose)
C₆H₁₂O₆



β -D-Glucopyranose
(β -Glucose)
C₆H₁₂O₆



L-Alanine
CH₃CH(COOH)NH₂



D-Alanine
CH₃CH(COOH)NH₂

URL. <http://www.hgs-model.com>










Contents of Type G Set

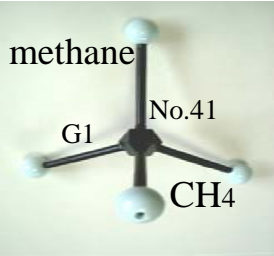


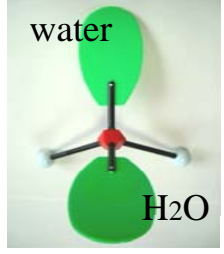


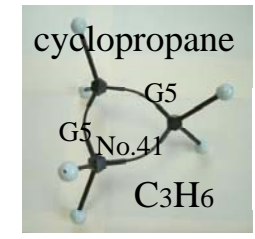
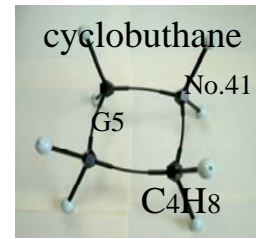
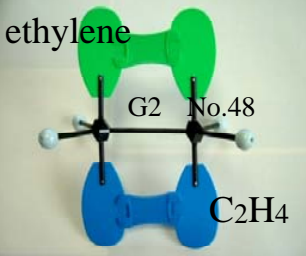
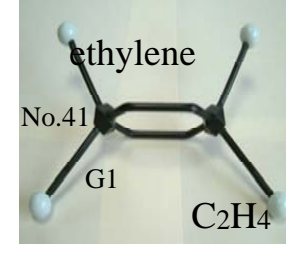
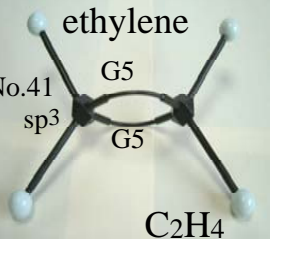
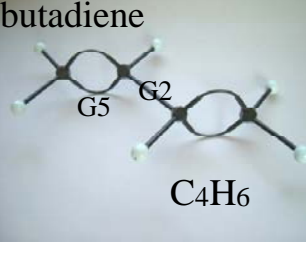
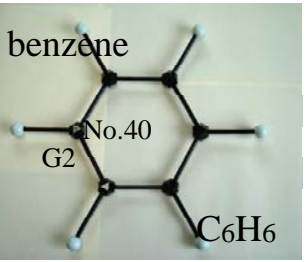
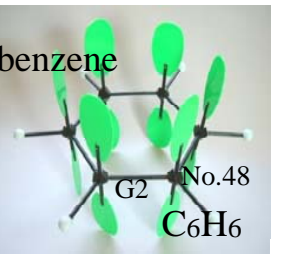
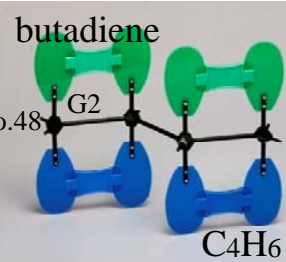
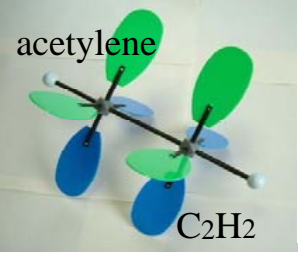
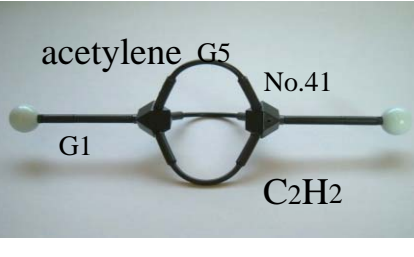
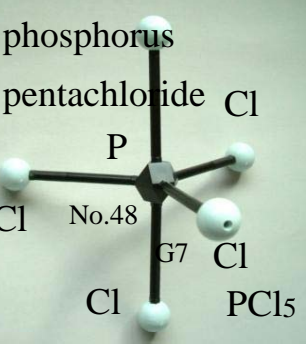
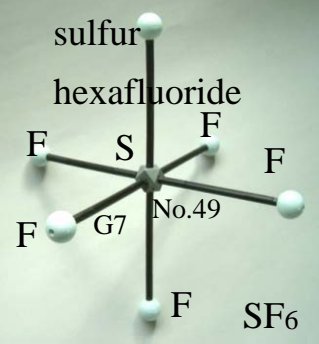
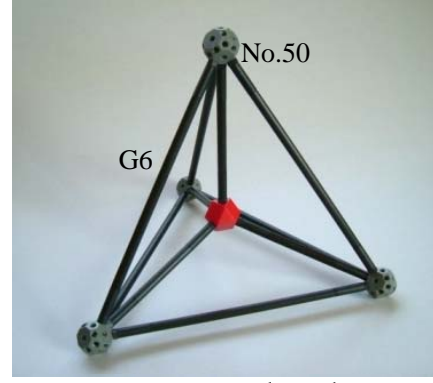
- Atom					- Orbital Plate			
Atom No.	Parts Code	USE	Color	Quantity	Item No.	Use	Quantity	
39	GH	$sp(H)$	blue	30	PG-1	p atomic (Blue)	6	
40	GC ³	sp^2	black	6		orbital plate		
41	GC ⁴	sp^3	black	20	PG-2	p atomic (Green)	6	
42	GN ⁴	sp^3	blue	2		orbital plate		
43	GO ⁴	sp^3	red	6	PG-3	π molecular (Blue)	3	
44	GSi ⁴	sp^3	dark blue	2		orbital plate		
45	GP ⁴	sp^3	brown	2	PG-4	π molecular (Green)	3	
46	GS ⁴	sp^3	yellow	2		orbital plate		
47	GCl ⁴	sp^3	green	2				
48	GM ⁵ ₂₀	dsp^3	black	6				
49	GM ⁶	d^2sp^3	grey	2				
50	GM ²⁶ ₂₆	sp^2, sp^3, d^2sp^3	grey	4				
51	Bond tip (connector)		black	16				
-Bond								
Bond No.	Bond distance Å	Use	Material	Quantity				
G1	1.10	C - H	Metal	30				
G2	1.40	C = C	Metal	12				
G3	1.54	C - C	Metal	30				
G4	1.33	C = C	Metal	10				
G5	1.54	C - C	Plastics	10				
	-1.33	(C = C)						
G6	2.52	Special use*	Metal	6				
G7	2.00	6-coordinated complexes	Metal	10				

Hinomoto Plastics Co., LTD.


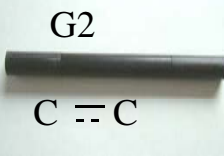

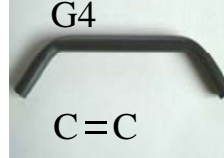
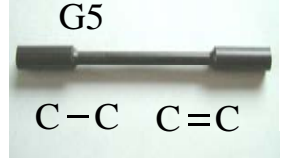
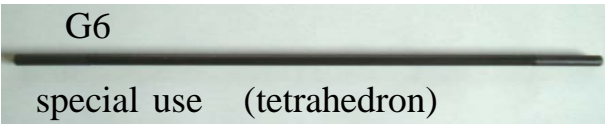
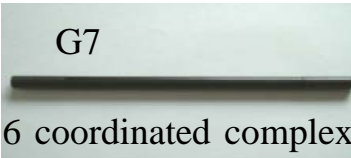


Representative Uses of Atoms and Bonds

Atoms

 No.39 H sphere
 No.41 sp^3
 No.42--No.47
 No.40 sp^2
 No.48 sp^2
 No.48 dsp^3
 No.49 sp
 No.50 d^2sp^3
 No.51 tetrahedron

 methane CH₄
 ammonia NH₃
 ammonia NH₃
 water H₂O
 water H₂O
 ethane C₂H₆
 cyclopropane C₃H₆
 cyclobutane C₄H₈
 ethylene C₂H₄
 ethylene C₂H₄
 ethylene C₂H₄
 butadiene C₄H₆
 benzene C₆H₆
 benzene C₆H₆
 butadiene C₄H₆
 acetylene C₂H₂
 acetylene C₂H₂
 phosphorus pentachloride PCl₅
 sulfur hexafluoride SF₆
 tetrahedron No.50

Bonds

 G1 C-H 1.1 Å
 G2 C=C 1.4 Å
 G3 C-C 1.54 Å
 G4 C=C 1.33 Å
 G5 C-C 1.54 Å, C=C 1.33 Å
 G6 special use (tetrahedron) 2.52 Å
 G7 6 coordinated complex 2.0 Å
 PG-3 π orbital plate blue
 PG-4 π orbital plate green