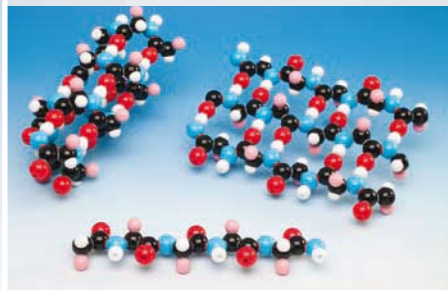
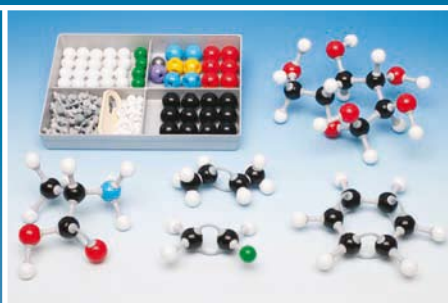


www.vcoe.or.at



Neu im VCÖ-Shop

alle molymod-Set's und Ersatzteile für molymod-Set's

Der VCÖ-Shop ist Generalvertreter für Österreich!



Scales: Open / Ball & stick 2.5cm / Ångstrom
Closed / semi-space filling 1.5cm / Ång.

Atom-parts: range from 17mm to 23mm diameter.

Bonds: Single bonds are represented by medium links (19mm) and multiple bonds by longer, flexible links (30mm). For compact models, bonds are represented by short links (2mm).

Valence represented by the number of holes:

1 hole (I), 2 holes (II), 3 hole (III), 4 hole (IV), 5 hole (IV), 6 hole (VI)

Please contact us for details of our full range and prices, or to find your nearest distributor.

Important notice:

These products are not toys! They are designed for educational use and are only suitable for students 12 years and over. All the products featured on this leaflet contain small parts.

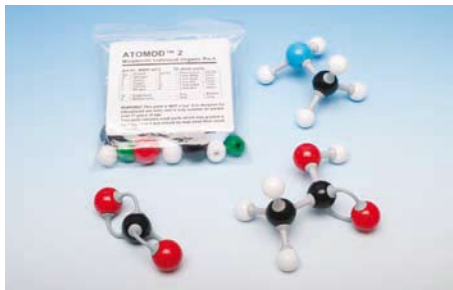


WARNING: CHOKING HAZARD - Small parts.
Not for children under 3 yrs.

Atomod™ Organic Single Pack

Art. Nr. MMP-AT2 19 atoms

Supplied in a re-sealable plastic zipper bag.



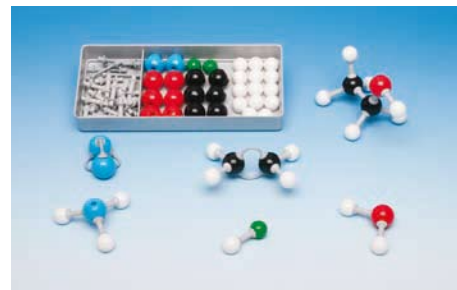
10 Hydrogen (I), 4 Carbon (IV), 2 Oxygen (II),
1 Nitrogen (III), 2 Halogen (I) Links: 20 Medium
grey, 4 Long flexible

**Also available as a six-pack pupil class
set: Art. Nr. MMP-AT2-6**

Elementary Organic Set

Art. Nr. MMS-015 30 atoms

Supplied in a narrow 2-compartment box, as shown.

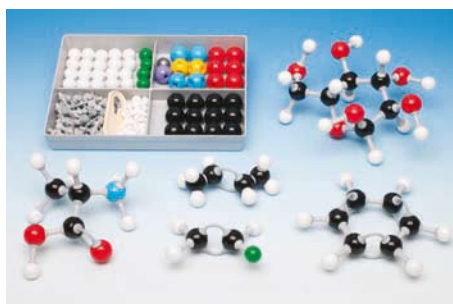


14 Hydrogen (I), 6 Carbon (IV), 6 Oxygen (II),
2 Nitrogen (IV), 2 Halogen (I), Links: 20 Medium
grey, 4 Long flexible

Organic (Student) Set

Art. Nr. MMS-008 50 atoms

Supplied in one 4-compartment box



20 Hydrogen (I), 12 Carbon (IV), 6 Oxygen (II), 4
Nitrogen (III, IV), 2 Sulphur (IV, VI), 1 Phosphorus
(IV), 4 Halogen (I), 1 Metal (I) Links: 26 Medium
grey, 12 Long flexible & 26 Short

Inorganic-Organic (Student) Set

Art. Nr. MMS-009 52 atoms

Supplied in one 4-compartment box



14 Hydrogen (I), 6 Carbon (IV), 7 Oxygen (II, IV),
3 Nitrogen (III, IV), 2 Sulphur (II, VI), 2 Phosphorus
(III, V), 6 Halogen (I), 8 Metal (I, II, III, IV, VI), 4
Brown (III, IV, V, VI), 3 Lone pair 2D paddles (beige)
Links: 20 Medium grey, 5 Medium purple, 12 Long
flexible

Advanced Level Chemistry Set

Art. Nr. MMS-002 64 atoms

Supplied in one 4-compartment box



18 Hydrogen (I), 8 Carbon (IV), 7 Oxygen (II, IV), 6
Chlorine (I), 6 Fluorine (I), 4 Nitrogen (III, IV), 3
Sulphur (II, VI, VI), 2 Boron (III, IV), 4 Phosphorus
(III, IV, V, VI), 6 Metal (II, III, IV, VI), 3 Lone pair 3D
lobes (beige) Links: 26 Medium grey, 5 Medium
purple, 12 Long flexible

Inorganic-Organic (Teacher) Set

Art. Nr. MMS-004 108 atoms

Supplied in a large one compartment box.



14 Hydrogen (I, II), 20 Carbon (IV, V), 22 Oxygen
(II, IV), 10 Nitrogen (III, IV), 13 Sulphur (II, IV, VI), 7
Phosphorus (III, IV, V), 8 Halogen (I), 14 Metal (I,
II, III, IV, VI), 18 Lone pair 2D paddles (6 pink, 6
purple, 6 beige) Links: 38 Medium grey, 12
medium purple, 36 Long flexible

Organic (Teacher) Set

Art. Nr. MMS-003 111 atoms

Supplied in one large box



40 Hydrogen (I), 38 Carbon (II, III, IV, V), 12 Oxygen
(II), 4 Nitrogen (IV), 2 Sulphur (II, IV), 4 Phosphorus
(IV), 8 Halogen (I), 3 Metal (I, II), 18 Lone pair 2D
paddles (6 pink, 6 purple, 6 beige) Links: 55
Medium grey, 25 Long flexible & 60 Short

Biochemistry Set

Art. Nr. MMS-007 262 atoms

Supplied in two large boxes



100 Hydrogen Atom-links, 10 Hydrogen (II), 68
Carbon (II, III, IV), 40 Oxygen (I, II), 34 Nitrogen (II,
III, IV), 2 Sulphur (II), 6 Phosphorus (IV), 2 Metal
(IV, VI), Links: 150 Non-vis colourless links, 10 V-
links

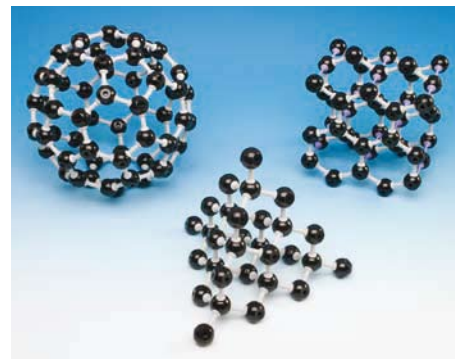


The molymod® VSEPR (Valence Shell Electron Pair Repulsion) kit, designed to make 14 different example shapes, including: linear (BeCl_2), trigonal planar (SO_3) see-saw (SF_4) and t-shaped (ClF_3). Used in chemistry courses in North America.
Art. Nr: MKO-VSEPR-14

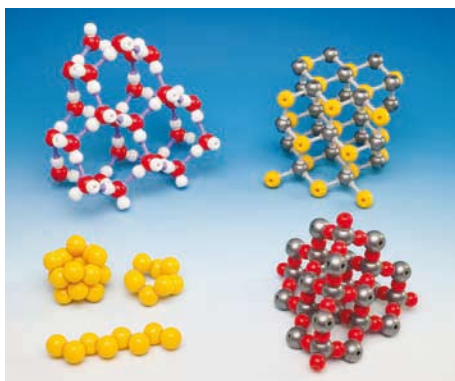


Molecular Orbital Organic Structures Set:
Ethane, Ethene and Ethyne and Benzene.
Art. Nr: MOS-900-4

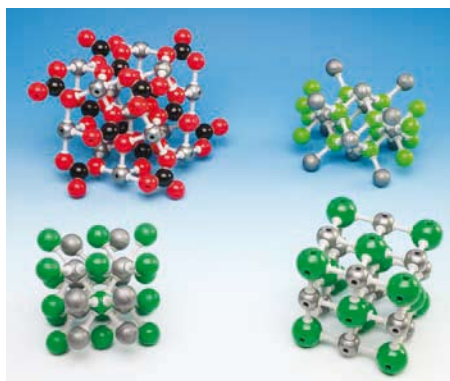
For more [molyorbital™](http://www.orbitals.co.uk) sets please go to:
www.orbitals.co.uk



Buckminster fullerene – MKO-102-60
Graphite – MKO-101-45
Diamond – MKO-100-30



ICE 26 water units – MKO-123-26
Zinc sulphide – MKO-125-45
Silicon dioxide – MKO-137-66
Sulphur S8 - MKO-103-24



Calcium carbonate – MKO-126-66
Calcium fluoride – MKO-132-30
Sodium chloride – MKO-127-27 (open)
Calcium chloride - MKO-133-30



Sodium chloride – MKO-124-36 (open)
Sodium chloride – MKO-127-27 (open)
Sodium chloride – MKS-127-27 (compact)



Fat (glyceryl tristearate) – MKS-114
Glucose – MKS-115-2
Sucrose – MKS-116
Starch – MKS-118-3



Alpha helix 15 peptides – MKS-121-15
Protein beta-pleated sheet – MKS-120-15
5-unit polypeptide chain – MKS-120-5



D.N.A. 10-layer self-assembly kit.
Compact model version.
640 atom parts with stand. Art. Nr: MKS-122-10

Molymod ® Component Prices (€) 2008 EURO

Art.Nr.	Element	Colour	Holes	Angles/Type	Dia.mm	Price	per 10 parts
MA-110	Hydrogen	white	1		17	€ 2.80	→ 
MA-111	Halogen	green	1		17	€ 2.80	
MA-112	Metal	grey	1		17	€ 2.80	
MA-114	Bromine	orange	1		17	€ 2.80	
MA-115	Iodine	purple	1		17	€ 2.80	
MA-116	Fluorine	light green	1		17	€ 2.80	
MA-101	Halogen	green	1		20	€ 3.20	→ 
MA-102	Metal	grey	1		20	€ 3.20	
MA-103	Oxygen	red	1		20	€ 3.20	
MA-104	Nitrogen	blue	1		20	€ 3.20	
MA-120	Halogen	green	1		23	€ 3.70	} → 
MA-121	Oxygen	red	1		23	€ 3.70	
MA-122	Nitrogen	blue	1		23	€ 3.70	
MA-150	Hydrogen	white	1	Molydome™	19	€ 2.80	→ 
MA-200	Oxygen	red	2	105 angular	23	€ 4.00	} → 
MA-201	Sulphur	yellow	2	105 ang.	23	€ 4.00	
MA-202	Metal	grey	2	105 ang.	23	€ 4.00	
MA-203	Nitrogen	blue	2	105 ang.	23	€ 4.00	
MA-240	Oxygen	Red	2	140 (silicates)	20	€ 4.25	
MA-210	Hydrogen	white	2	180 linear	17	€ 3.20	→ 
MA-211	Oxygen	red	2	180 linear	17	€ 3.20	
MA-223	Oxygen	red	2	180 linear	23	€ 4.80	} → 
MA-220	Carbon (sp)	black	2	180 linear	23	€ 4.80	
MA-300	Nitrogen	blue	3	107 pyramidal	23	€ 4.80	
MA-301	Phosphorus	purple	3	107 pyr.	23	€ 4.80	} → 
MA-302	Metal	grey	3	107 pyr.	23	€ 4.80	
MA-310	Carbon (sp2)	black	3	120 trigonal	23	€ 4.80	→ 
MA-311	Nitrogen	blue	3	120 trigonal	23	€ 4.80	
MA-400	Carbon (sp3)	black	4	109 tetrahedral	23	€ 4.80	} → 
MA-401	Nitrogen	blue	4	109 tetra.	23	€ 4.80	
MA-402	Oxygen	red	4	109 tetra.	23	€ 4.80	
MA-403	Sulphur	yellow	4	109 tetra.	23	€ 4.80	
MA-404	Metal	grey	4	109 tetra.	23	€ 4.80	
MA-405	Silicon	grey	4	109 tetra.	23	€ 4.80	
MA-406	Halogen	green	4	109 tetra.	23	€ 4.80	
MA-407	Phosphorus	purple	4	109 tetra.	23	€ 4.80	
MA-510	Phosphorus	purple	5	90,120, tribipyr.	23	€ 5.10	} → 
MA-511	Carbon	black	5	90,120, tribipyr.	23	€ 5.10	
MA-512	Nitrogen	blue	5	90,120, tribipyr.	23	€ 5.10	
MA-513	Metal	grey	5	90,120, tribipyr.	23	€ 5.10	
MA-514		brown	5	90,120, tribipyr.	23	€ 5.10	
MA-515	Oxygen	red	5	90,120, tribipyr.	23	€ 5.10	} → 
MA-610	Metal	grey	6	90 octahedral	23	€ 5.15	
MA-612	Halogen	green	6	90, octa.	23	€ 5.15	
MA-613	Sulphur	yellow	6	90, octa.	23	€ 5.15	→ 
MAL-10	Hydrogen	white	1	Atomlink™	15	€ 1.70	→ 
ML-11	Medium purple link	(standard link for single bonds)				€ 2.40 / 25	} → 
ML-12	Medium grey link					€ 2.40 / 25	
ML-16	Medium white link					€ 2.40 / 25	
ML-13	Long grey flexible link, used for double or triple bonds					€ 2.75 / 25	} → 
ML-14	Long purple flexible link, used for double or triple bonds					€ 2.75 / 25	
ML-10	Short white link used for compact bonds					€ 1.85 / 25	→ 
ML-15	"Non-visible" links in natural plastic					€ 1.85 / 25	
ML-20	V-link grey used for tight small ring structures					€ 2.40 / 25	→ 
MO-304	3-dimensional pear shaped beige lone pair electrons					€ 4.80 / 10	
MO-12	2-dimensional (flat) molecular orbitals 12 pieces One type "p" in two colours 6 (Pink & Purple) of each colour					€ 3.00 / 12	→ 
MO-24	2-dimensional (flat) molecular orbitals 24 pieces Two types "p" and "pi" In two colours 12 of each colour					€ 5.00 / 24	→ 
MB-20	plastic box with 2 compartments				€ 2.10		→ 
MB-30	plastic box with 4 compartments 30 mm deep				€ 2.40		
MB-55	plastic box single compartment 55 mm deep				€ 3.10		
SLRT1	short link remover tool					€ 0.40	→ 

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