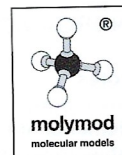


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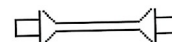
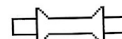


Molecular Model Teacher Set for INORGANIC and ORGANIC Chemistry

CONTENTS : 108 atoms

Qty.	Element	Colour	Holes	Angles & type	Dia mm	Art.Nr.
14	Carbon	black	4	109° tetrahedral	23	MA-400
6	Carbon	Dk blue	5	90° & 120° Trig-bipyr	23	MA-511
12	Hydrogen	White	1		17	MA-110
2	Hydrogen	White	2	180° linear	17	MA-210
6	Nitrogen	Blue	4	109° tetrahedral	23	MA-401
4	Nitrogen	Blue	3	107° pyramidal	23	MA-300
16	Oxygen	Red	2	105° angular	23	MA-200
6	Oxygen	Red	4	109° tetrahedral	23	MA-402
8	Sulphur	Yellow	2	105° angular	23	MA-201
4	Sulphur	Yellow	4	109° tetrahedral	23	MA-403
1	Sulphur	yellow	6	90° octahedral	23	MA-613
4	Phosphorus	purple	4	109° tetrahedral	23	MA-407
1	Phosphorus	purple	5	90° & 120° tribipyr.	23	MA-510
2	Phosphorus	purple	3	107° pyramidal	23	MA-301
8	Halogen	green	1		17	MA-111
4	Metal	grey	1		17	MA-112
3	Metal	grey	2	105° angular	23	MA-202
2	Metal	grey	3	120° trigonal planar	23	MA-302
4	Metal	grey	4	109° tetrahedral	23	MA-404
1	Metal	grey	6	90° octahedral	23	MA-613
6	Unhybridised p-lobe				pink	
6	Unhybridised p-lobe				purple	
6	Lone pair of electrons lobe				beige	
Qty.	LINKS			Total length		
38	medium	grey		31 mm		ML-12
36	long flex.	grey		46 mm		ML-13
12	medium	purple		31 mm		ML-11
1	Instruction	leaflet				
1	Box	grey		235x 170 x 58 mm		MB-55

Medium grey links are used for single covalent bonds as in water H-O-H
Long grey links are flexible and are used for double (as in oxygen) or triple bonds.

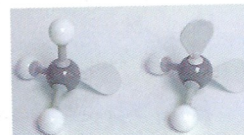


Purple medium links are used for contrast in the following cases:

- dative or co-ionic bonds as in complex ions, e.g. tetraaquo -copper ion
- hydrogen bonds as in ice
- representation of ionic bonds in the empirical formulae of ionic compounds such as Na+...Cl-

Note: Some compounds have both covalent and ionic bonds in the same molecule eg Na+...O-H

Pear shaped lobes can be used to represent lone pairs of electrons present in water & ammonia or the p-lobes responsible for pi bonding in ethene & benzene



WARNING! This product is NOT a toy! It is solely designed for educational use and is only suitable for people over 14 years of age.
 This product contains small parts which may present a choking hazard and should be kept away from small children.
 Please keep this leaflet for future reference.

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