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Operating instructions

































The unit complies
with the correspond-
ing EC guidelines



Abb. 1: 39829-01 Molecular model constructions set, basic, demo, ball sizes 30/40/50 mm

Ampley equipped molecular construction kit with large spheres of 30 (hydrogen), 40 (e.g. carbon) and 50 mm diameter (chlorine and sulphur), ideal for frontal teaching, for building open-chain (acyclic) and ring-shaped (cyclic) organic standard molecules in the form of open sphere-rod models or as room-filling dome models, as they are the subject at school and in the early semesters of university education; e.g. alkanes, alkenes, alkynes, alcohols, amines, haloalkanes, mercaptans and many more: Alkanes, alkenes, alkynes, alcohols, amines, haloalkanes, mercaptans, and many more. Also suitable for the investigation of different conformations and stereoisomers.

			
Ethane ($\text{H}_3\text{C}-\text{CH}_3$)	Ethylene ($\text{H}_2\text{C}=\text{CH}_2$)	Acetylene ($\text{HC}\equiv\text{CH}$)	Nitrogen (N_2)
			
Ethanol ($\text{C}_2\text{H}_5\text{OH}$)	Acetaldehyde (CH_3CHO)	Acetic acid (CH_3COOH)	Oxygen (O_2)
Common molecular scale model			
			
Methane	Ethylene ($\text{H}_2\text{C}=\text{CH}_2$)	Acetylene ($\text{HC}\equiv\text{CH}$)	Benzene (C_6H_6)
			
Ethanol ($\text{C}_2\text{H}_5\text{OH}$)	Acetaldehyde (CH_3CHO)	Acetic acid (CH_3COOH)	Phenol ($\text{C}_6\text{H}_6\text{O}$)

Molecular model construction set, basic, demo, ball sizes 30/40/50 mm					
Atoms	Holes (Angle)	Color	Dia. (mm)	Qty.	Drawing
H-Hydrogen	1	White	30	24	
C-Carbon	2 (180°) Linear	Black	40	2	
C-Carbon	3 (120°) Triagonal planar	Black	40	8	
C-Carbon	4 (109°28') Tetrahedral	Black	40	12	
O-Oxygen	1	Red	40	2	
O-Oxygen	2 (105°) Bent	Red	40	4	
N-Nitrogen	3 (107°) Trigonal pyramidal	Blue	40	2	
N-Nitrogen	4 (109°28') Tetrahedral	Blue	40	2	
Halogen	1	Green	40	4	
Metal	1	Grey	40	2	
Cl-Chlorine	1	Green	50	2	
S-Sulphur	2 (105°) Bent	Yellow	50	2	
Links		Color	Lenght (mm)	Qty.	Drawing
Short (for space-filling models)		Translucent	15	40	
Medium (single, rigid)		Translucent	46	40	
Long (double/triple, flexible)		Translucent	70	24	