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Operating instructions

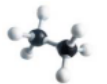
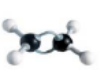
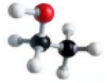
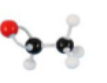
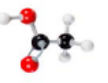


The unit complies
with the correspond-
ing EC guidelines



Abb. 1: 39829-02 Molecular model construction set, extension set, basic, demo, ball sizes 30/40/50 mm

Demo molecule construction set as a supplementary set to the basic Demo molecule construction set (item number 39829-01). For building inorganic and organic molecule models. With large spheres of 30 (hydrogen), 40 (e.g. carbon) and 50 mm diameter (chlorine and sulfur).
Ideal for frontal teaching.

			
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, extension set, demo, ball sizes 30/40/50 mm 39829-02					
Atoms	Holes (Angle)	Color	Dia. (mm)	Qty.	Drawing
H-Hydrogen	1	White	30	32	
Halogen	1	Green	30	2	
C-Carbon	2(180°) Linear	Black	40	2	
C-Carbon	3(120°) Trigonal planar	Black	40	4	
C-Carbon	4(109°28') Tetrahedral	Black	40	12	
O-Oxygen	1	Red	40	10	
O-Oxygen	2(105°) Bent	Red	40	8	
N-Nitrogen	2(105°) Bent	Blue	40	2	
N-Nitrogen	3(107°) Trigonal pyramidal	Blue	40	4	
N-Nitrogen	4(109°28') Tetrahedral	Blue	40	4	
P-Phosphorus	4(109°28') Tetrahedral	Blue	40	4	
Br-Bromine	1	Brown	40	2	
Metal	2(180°) Linear	Gray	40	2	
Metal	2(105°) Bent	Gray	40	2	
Metal	3(107°) Trigonal pyramidal	Gray	40	4	
Metal	4(109°28') Tetrahedral	Gray	40	4	
Cl-Chlorine	1	Green	50	6	
S-Sulphur	4(109°28') Tetrahedral	Yellow	50	4	
S-Sulphur	2(105°) Bent	Yellow	50	6	
Links		Color	Length (mm)	Qty.	Drawing
Short (for space-filling models)		Translucent	15	16	
Medium (single, rigid)		Translucent	46	110	
Long (double/triple, flexible)		Translucent	70	24	