


Code	Atom	Element	Colour	shape	Bond Angle: Degrees	Large set	Class sets				
						ref 0041	ref 0046	ref 0047	ref 0048	ref 0049	
0216	Ha	Hydrogen	White			52-7155	52-7147	52-7151	-----	52-7153	
0217	Na	Nitrogen	Blue		250	130	100			110	
0218	Oa	Oxygen	Red		10		20			2	
0219	Fa	Fluorine	Light green		50	10	25			25	
0220	Sa	Sulfur	Yellow		10		20			2	
0221	Cl	Chlorine	Green		10		10			2	
0222	Bra	Bromine	Blue-green		10		10	30		2	
0223	Ia	Iodine	Dark Green		10					2	
0224	Hb	Hydrogen	White		180	40		50		25	15
0225	Cb	Carbon	Black		180	5			20		2
0226	Nb	Nitrogen	Blue	180	5			5		2	
0227	Ob	Oxygen	Red	180	20					10	
0228	Sc	Sulfur	Yellow	100	10		25	25		2	
0229	Nd	Nitrogen	Blue	110	10					5	
0230	Od	Oxygen	Red	110	120		21	50		35	
0231	Ne	Nitrogen	Blue	120	10					5	
0232	Cf	Carbon	Black	100,130,130	3						
0233	Pf	Phosphorous	Purple	100,130,130	10					2	
0235	Cg	Carbon	Black	108,120,132	20					10	
0236	Ch	Carbon	Black	108,126,126	20					5	
0237	Nh	Nitrogen	Blue	108,126,126	20					5	
0238	Oh	Oxygen	Red	108,126,126	10					5	
0239	Cl	Carbon	Black	114,123,123	20					20	
0240	Ni	Nitrogen	Blue	114,123,123	20					20	
0241	Cj	Carbon	Black	120,120,120	100		50	25	45	25	
0242	Nj	Nitrogen	Blue	120,120,120	50		6	10		15	
0243	Oj	Oxygen	Red	120,120,120	20				45		
0244	Ck	Carbon	Black	110	110		75	100	35	50	
0245	Nk	Nitrogen	Blue	110	10		9	10		2	
0246	Ok	Oxygen	Red	110	20		30	10	15	5	
0247	Pk	Phosphorous	Purple	110	20			15		10	
0248	Sk	Sulfur	Yellow	110	12		3	10	40	2	
0249	Cu	Copper	copper								
0250	Halk	Halogen	Green	110	30				10		
0251	Mk	Metal	Silver	110	30			5	25	5	
0252	Cl	Carbon	Black	90	6						
0253	Nl	Nitrogen	Blue	90	4						
0254	Ol	Oxygen	Red	90	14						
0255	Sl	Sulfur	Yellow	90	5			5			
0256	Fel	Iron	Grey	90	12					4	
0257	HALI	Halogen	Green	90	20		30		25		
0258	MI	Metal	Silver	90	20		30	5	35		
0259	Cm	Carbon	Black	90,120	6						
0260	Nm	Nitrogen	Blue	90,120	4						
0261	Om	Oxygen	Red	90,120	4						
0262	Pm	Phosphorous	Purple	90,120	2			5			
0263	HALp	Halogen	Green		5					12	
0264	Mp	Metal	Silver		20					22	
0265	Mq	Metal	Silver		40		40			50	
0267	X pegs	Double bond	Natural		30			12		12	
Total atoms (excludes pegs)						1267	519	505	384	408	

BONDS						
Type and colour	Length					
1300 Orbit Thick, light-grey	20 cm					
1302 Orbit Thick, light-grey	5cm	150		50		
1303 Orbit Thick, light-grey	3.5cm	250	200	150	250	150
1304 Orbit Thick, light-grey	3cm	150				50
1305 Orbit Thick, light-grey	2.5cm					
1306 Orbit Thick, light-grey	2cm	200	150	100	50	150
3533 Orbit Extra-rigid grey	3.5cm	45		15		
0182 Rigid white	10cm					15
0449 Rigid white	5cm	60	60		30	30
0457 Rigid white	3.5cm	90			30	
Rigid mixed	10cm					
0207 Rigid mixed	21cm	4	1	1		1
0213 Very flexible white	21cm	6	2	2		2
0187 Very flexible white	5cm	6				
0273 Very flexible white	3.5cm					
Total bonds (12 bonds per mixed bundle)		1005	424	329	375	394

Set descriptions

0041 Orbit Large Set	0045 Orbit Foundation Set for Inorganic and Organic Chemistry
0046 Orbit Basic Structures Class Set	0026 Orbit Basic Structures Individual Set
0047 Orbit Organic and Inorganic Chemistry Class Set	0027 Orbit Organic and Inorganic Chemistry Individual Set
0048 Orbit Lattices Class Set	0028 Orbit Lattices Individual Set
0049 Orbit Biochemistry Class Set	0029 Orbit Biochemistry Individual Set