

**American Chemical Society Division of Chemical Education  
Composite Norms – General Chemistry Conceptual, Full Year (GC16C)**

Score	Percentile	Score	Percentile	Score	Percentile
60	100	37	63	14	2
59	100	36	61	13	1
58	100	35	58	12	1
57	99	34	56	11	1
56	98	33	53	10	0
55	97	32	51	9	0
54	96	31	49	8	0
53	96	30	47	7	0
52	95	29	45	6	0
51	93	28	42	5	0
50	92	27	38	4	0
49	91	26	35	3	0
48	88	25	32	2	0
47	86	24	28	1	0
46	84	23	24	0	0
45	81	22	21		
44	79	21	17		
43	77	20	14		
42	75	19	11		
41	73	18	8		
40	70	17	6		
39	68	16	4		
38	66	15	3		

  

Mean	32.7
Std. deviation	11.5
Median	32
KR-21 reliability	0.90
Std error/meas	3.59

**GC16C Full Year Norms**  
based on the scores of 974 students from 6 institutions

