

**American Chemical Society Division of Chemical Education
Composite Norms – Physical Chemistry Comprehensive 2014 (PH14C)**

Score	Percentile	Score	Percentile	Score	Percentile
60	100	37	55	14	1
59	100	36	51	13	0
58	100	35	47	12	0
57	100	34	43	11	0
56	100	33	39	10	0
55	99	32	35	9	0
54	99	31	32	8	0
53	99	30	29	7	0
52	98	29	27	6	0
51	96	28	24	5	0
50	94	27	21	4	0
49	91	26	19	3	0
48	89	25	17	2	0
47	86	24	15	1	0
46	84	23	13	0	0
45	81	22	11		
44	78	21	8	Mean	35.4
43	76	20	7	Std. deviation	9.6
42	73	19	5	Median	36
41	71	18	3	KR-21 reliability	0.86
40	67	17	3	Std error/meas	3.63
39	62	16	2		
38	58	15	1		

PH14C Norms

Based on the scores of 450 students from 12 institutions

