

**American Chemical Society Division of Chemical Education
Composite Norms – 2016 High School Chemistry Exam (HS16)**

Score	Percentile	Score	Percentile	Score	Percentile	Score	Percentile
80	100	55	59	30	16	5	0
79	100	54	57	29	15	4	0
78	100	53	55	28	13	3	0
77	99	52	53	27	12	2	0
76	99	51	52	26	11	1	0
75	99	50	50	25	9	0	0
74	98	49	48	24	7		
73	97	48	46	23	6		
72	96	47	44	22	6	Mean	48.2
71	94	46	43	21	5	Std. deviation	16.0
70	92	45	41	20	4	Median	50
69	89	44	40	19	2	KR-21 reliability	0.94
68	86	43	38	18	2	Std error/meas	4.0
67	86	42	37	17	1		
66	84	41	35	16	1		
65	81	40	33	15	0		
64	80	39	30	14	0		
63	77	38	29	13	0		
62	75	37	27	12	0		
61	73	36	25	11	0		
60	70	35	24	10	0		
59	67	34	22	9	0		
58	66	33	20	8	0		
57	63	32	19	7	0		
56	61	31	17	6	0		

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based on the scores of 1318 students from 12 different institutions

