

**American Chemical Society Division of Chemical Education
Composite Norms – 2016 High School Chemistry Exam – Conceptual (HS16C)**

Score	Percentile	Score	Percentile	Score	Percentile
50	100	30	80	10	1
49	100	29	77	9	1
48	100	28	74	8	0
47	100	27	70	7	0
46	99	26	67	6	0
45	99	25	61	5	0
44	99	24	56	4	0
43	98	23	52	3	0
42	98	22	47	2	0
41	97	21	41	1	0
40	96	20	38	0	0
39	96	19	32		
38	95	18	26	Mean	23.1
37	94	17	19	Std. deviation	7.7
36	93	16	15	Median	22
35	92	15	12	KR-21 reliability	0.81
34	90	14	8	Std error/meas	3.4
33	89	13	6		
32	86	12	4		
31	84	11	3		

HS16C: 2016 High School Chemistry Exam
based on the scores of 873 students from 9 different institutions

