

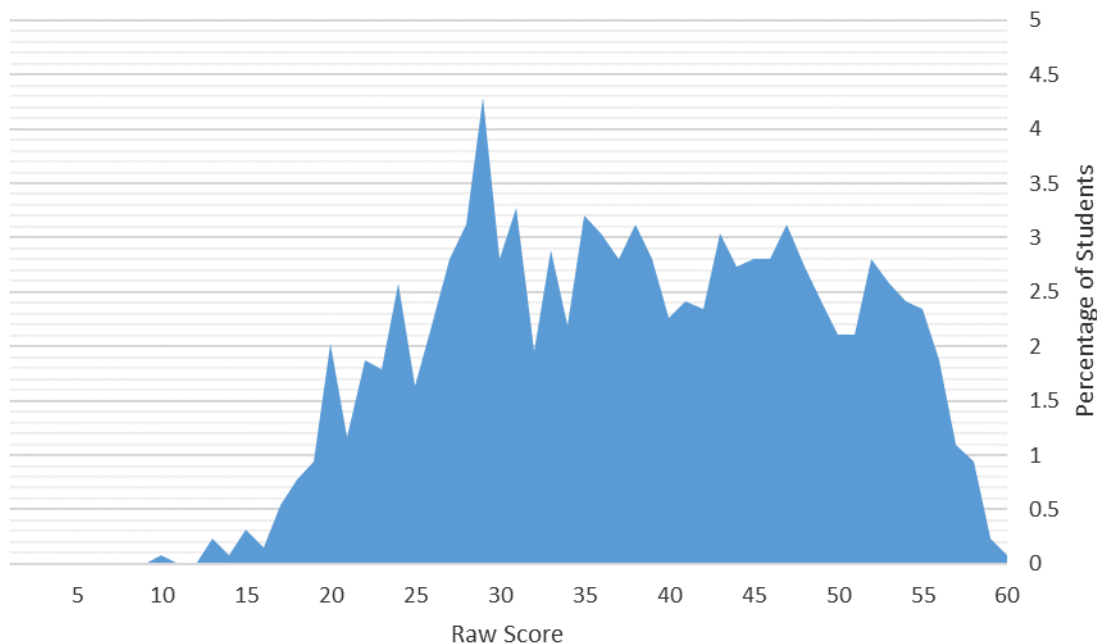
**American Chemical Society Division of Chemical Education  
Composite Norms – 2014 General-Organic-Biochemistry Exam (GB14):  
Biochemistry Subtest**

Score	Percentile	Score	Percentile	Score	Percentile
60	100	34	40	8	0
59	100	33	38	7	0
58	100	32	35	6	0
57	99	31	33	5	0
56	98	30	29	4	0
55	96	29	27	3	0
54	93	28	22	2	0
53	91	27	19	1	0
52	88	26	16	0	0
51	86	25	14		
50	84	24	13		
49	81	23	10		
48	79	22	8		
47	76	21	6		
46	73	20	5		
45	70	19	3		
44	68	18	2		
43	65	17	1		
42	62	16	1		
41	59	15	1		
40	57	14	0		
39	55	13	0		
38	52	12	0		
37	49	11	0		
36	46	10	0		
35	43	9	0		

Mean	38.7
Std. deviation	11.0
Median	39
KR-21 reliability	0.87
Std error/meas	3.98

**GB14: Biochemistry Subtest**  
based on the scores of 1373 students from 16 different institutions



**American Chemical Society Division of Chemical Education  
Composite Norms – 2014 General-Organic-Biochemistry Exam (GB14):  
Biochemistry Subtest – Part A**

Score	Percentile	Score	Percentile
40	100	14	5
39	99	13	4
38	97	12	2
37	94	11	1
36	90	10	1
35	85	9	0
34	81	8	0
33	78	7	0
32	74	6	0
31	70	5	0
30	65	4	0
29	61	3	0
28	56	2	0
27	53	1	0
26	48	0	0
25	45		
24	39		
23	35		
22	31		
21	27		
20	23		
19	20		
18	16		
17	12		
16	9		
15	7		

Mean	26.7
Std. deviation	7.4
Median	27
KR-21 reliability	0.70
Std error/meas	4.00

GB14: Biochemistry Subtest - Part A  
based on the scores of 1123 students from 8 different institutions

