

**American Chemical Society**  
**Division of Chemical Education**  
**Composite Norms**  
**General-Organic-Biochemistry Exam 1995**  
*General Chemistry Sub-Test*

Scroll down to view the Organic and the Biochemistry Sub-Test.

Score	Percentile	Score	Percentile	Score	Percentile		
60	100	40	81	20	6		
59	100	39	78	19	4		
58	100	38	73	18	2		
57	100	37	68	17	2		
56	100	36	63	16	2		
55	100	35	60	15	1		
54	100	34	55	14	0		
53	100	33	51	13	0		
52	100	32	46	12	0		
51	99	31	40	11	0		
50	99	30	35	10	0		
49	98	29	32	9	0		
48	97	28	28	8	0		
47	97	27	24	7	0		
46	96	26	21	6	0		
45	94	25	18	5	0	Mean	32.86
44	92	24	15	4	0	Std deviation	7.95
43	88	23	13	3	0	Median	32.8
42	86	22	10	2	0	KR21 rel	0.78
41	84	21	7	1	0	Std error/meas	3.75

**Organic Chemistry Sub-Test**

Score	Percentile	Score	Percentile	Score	Percentile		
60	100	40	86	20	3		
59	100	39	84	19	2		
58	100	38	82	18	2		
57	100	37	78	17	1		
56	100	36	74	16	1		
55	100	35	69	15	1		
54	100	34	66	14	1		
53	100	33	61	13	0		
52	99	32	56	12	0		
51	99	31	52	11	0		
50	99	30	49	10	0		
49	98	29	44	9	0		
48	97	28	37	8	0		
47	97	27	31	7	0		
46	96	26	25	6	0		
45	95	25	19	5	0	Mean	31.44
44	94	24	15	4	0	Std deviation	7.41
43	93	23	12	3	0	Median	30.3
42	91	22	7	2	0	KR21 rel	0.74
41	89	21	5	1	0	Std error/meas	3.78

***Biochemistry Sub-Test***

<b>Score</b>	<b>Percentile</b>	<b>Score</b>	<b>Percentile</b>	<b>Score</b>	<b>Percentile</b>		
60	100	40	73	20	2		
59	100	39	68	19	2		
58	100	38	64	18	2		
57	100	37	59	17	1		
56	100	36	55	16	0		
55	100	35	51	15	0		
54	100	34	48	14	0		
53	100	33	43	13	0		
52	99	32	38	12	0		
51	98	31	34	11	0		
50	97	30	29	10	0		
49	97	29	25	9	0		
48	96	28	21	8	0		
47	95	27	16	7	0		
46	93	26	11	6	0		
45	91	25	8	5	0	Mean	34.82
44	89	24	7	4	0	Std deviation	7.62
43	85	23	6	3	0	Median	34.7
42	81	22	5	2	0	KR21 rel	0.76
41	78	21	3	1	0	Std error/meas	3.73