

**American Chemical Society**  
**Division of Chemical Education**  
**Composite Norms**

**Physical Chemistry (Thermodynamics) Exam 1999**

<b>Score</b>	<b>Percentile</b>	<b>Score</b>	<b>Percentile</b>	<b>Score</b>	<b>Percentile</b>
40	100	26	97	12	20
39	100	25	95	11	14
38	100	24	93	10	9
37	100	23	89	9	5
36	100	22	85	8	3
35	100	21	81	7	2
34	100	20	76	6	0
33	100	19	71	5	0
32	100	18	65	4	0
31	100	17	57	3	0
30	100	16	51	2	0
29	100	15	44	1	0
28	99	14	36		
27	98	13	27		

Mean	16.34
Std deviation	4.90
Median	15.8
KR-21 rel	0.61
Std error/meas	3.05