

**American Chemical Society Division of Chemical Education  
Composite Norms – Physical Chemistry 1994, Thermodynamics  
(PH94T)**

Score	Percentile	Score	Percentile	Score	Percentile
40	100	24	59	8	2
39	100	23	52	7	1
38	99	22	46	6	0
37	98	21	42	5	0
36	97	20	37	4	0
35	96	19	32	3	0
34	95	18	28	2	0
33	93	17	23	1	0
32	90	16	19	0	0
31	87	15	16		
30	85	14	13	Mean	22.4
29	83	13	11	Std. deviation	7.0
28	79	12	8	Median	23
27	74	11	5	KR-21 reliability	0.82
26	70	10	4	Std error/meas	2.98
25	65	9	3		

**PH94T Norms**  
based on the scores of 461 students from 31 institutions

