

# **APPENDIX G**

## **ITEM-LEVEL CLASSICAL STATISTICS**

**Table G-1. Item-Level Classical Test Theory Statistics—High School Biology**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
53,785	SC310201	MC	0.70	0.27	0
53,784	SC313383	MC	0.46	0.27	0
53,793	SC628577127	MC	0.72	0.20	0
53,749	SC299762	MC	0.79	0.43	0
53,746	SC299811	MC	0.70	0.40	0
53,792	SC314804	MC	0.74	0.34	0
53,748	SC316110	MC	0.79	0.41	0
53,738	SC316261	OR	0.38	0.62	1
53,795	SC629903592	MC	0.79	0.31	0
53,782	SC295285	MC	0.59	0.30	0
53,782	SC310721	MC	0.64	0.36	0
53,783	SC316178	MC	0.73	0.44	0
53,792	SC628436637	MC	0.80	0.50	0
53,793	SC628436790	MC	0.91	0.39	0
53,793	SC632458210	MC	0.77	0.36	0
53,780	SC281132	MC	0.50	0.42	0
53,746	SC310758	MC	0.83	0.48	0
53,795	SC316242	MC	0.79	0.44	0
53,748	SC626976905	MC	0.76	0.32	0
53,785	SC313428	MC	0.74	0.40	0
53,792	SC702662839	MC	0.73	0.38	0
53,794	SC629174579	MC	0.70	0.30	0
53,794	SC313328	MC	0.71	0.28	0
53,781	SC316187	MC	0.55	0.31	0
53,794	SC317089	MC	0.63	0.33	0
53,795	SC632157704	MC	0.81	0.37	0
53,795	SC306341	MC	0.83	0.45	0
53,794	SC316181	MC	0.83	0.41	0
53,794	SC317088	MC	0.85	0.45	0
53,748	SC706828406	MC	0.72	0.39	0
53,724	SC296810	OR	0.37	0.66	2
53,791	SC304253	MC	0.80	0.48	0
53,782	SC305778	MC	0.70	0.46	0
53,788	SC310751	MC	0.78	0.32	0
53,795	SC628751963	MC	0.76	0.44	0
53,791	SC291000	OR	0.40	0.71	2
53,749	SC299820	MC	0.79	0.46	0
53,750	SC313464	MC	0.61	0.31	0
53,795	SC299754	MC	0.66	0.23	0
53,792	SC702661383	MC	0.54	0.33	0
53,792	SC705944757	OR	0.42	0.65	1
53,795	SC310160	MC	0.65	0.42	0
53,746	SC626971646	MC	0.69	0.41	0
53,750	SC630508922	MC	0.79	0.33	0
53,197	SC705935926	OR	0.55	0.63	1

**Table G-2. Item-Level Classical Test Theory Statistics—High School Chemistry**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
343	SC287273	MC	0.72	0.38	
343	SC300198	MC	0.78	0.35	0
343	SC273009	MC	0.76	0.27	
343	SC281310	MC	0.85	0.45	
343	SC288192	MC	0.77	0.49	
343	SC252684	OR	0.54	0.75	4
343	SC300099	MC	0.77	0.38	
343	SC300193	MC	0.65	0.39	
343	SC281269	MC	0.87	0.43	0
343	SC281326	MC	0.36	0.28	
343	SC294741	OR	0.38	0.65	4
332	SC294742	OR	0.48	0.75	2
343	SC304366	MC	0.51	0.51	
343	SC258969	MC	0.45	0.36	
343	SC275812	MC	0.76	0.33	
343	SC305213	MC	0.74	0.49	
343	SC305241	OR	0.52	0.64	3
343	SC275844	MC	0.63	0.44	
343	SC294600	MC	0.66	0.19	0
343	SC305196	MC	0.86	0.27	
343	SC305197	MC	0.73	0.41	
343	SC309490	MC	0.67	0.47	
343	SC273004	MC	0.53	0.29	1
343	SC281917	MC	0.74	0.39	
343	SC299718	MC	0.63	0.52	0
343	SC261071	MC	0.73	0.48	1
343	SC294729	MC	0.64	0.19	1
343	SC294762	MC	0.78	0.53	
343	SC299690	MC	0.83	0.47	0
343	SC300105	MC	0.66	0.47	
343	SC208242	MC	0.64	0.43	0
343	SC275816	MC	0.82	0.33	
343	SC287570	MC	0.78	0.38	
343	SC294738	OR	0.53	0.73	4
343	SC230480	MC	0.82	0.43	
343	SC281333	MC	0.64	0.19	
343	SC300119	MC	0.64	0.37	0
343	SC300121	MC	0.75	0.52	
343	SC275849	MC	0.63	0.36	
343	SC275854	MC	0.87	0.44	
343	SC281264	MC	0.51	0.34	0
343	SC294735	MC	0.71	0.39	
343	SC300189	MC	0.81	0.35	0
343	SC304388	MC	0.76	0.41	
343	SC304405	MC	0.81	0.49	

\* 0 percent omit rate represents very small omit percentages, which are small enough to be rounded to 0. Blank represents the omit percentage is exactly 0.

**Table G-3. Item-Level Classical Test Theory Statistics—High School Introductory Physics**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
14,819	SC299239	MC	0.82	0.51	0
14,821	SC301737	MC	0.49	0.29	0
14,823	SC293949	OR	0.48	0.62	1
14,819	SC304727	MC	0.65	0.38	0
14,725	SC704546682	OR	0.57	0.75	3
14,815	SC313730	MC	0.77	0.54	0
14,809	SC313763	OR	0.41	0.66	2
14,824	SC315643	MC	0.62	0.46	0
14,824	SC629982137	MC	0.82	0.40	0
14,812	SC700956955	MC	0.89	0.40	0
14,823	SC279739	MC	0.52	0.28	0
14,823	SC280466	MC	0.53	0.43	0
14,825	SC302732	MC	0.78	0.54	0
14,826	SC311349	MC	0.80	0.41	0
14,821	SC628109318	MC	0.90	0.37	0
14,823	SC630161680	MC	0.67	0.25	0
14,826	SC630763249	MC	0.78	0.38	0
14,824	SC287391	MC	0.77	0.44	0
14,813	SC316409	MC	0.70	0.50	0
14,624	SC631180183	OR	0.51	0.72	1
14,819	SC705445754	OR	0.69	0.75	1
14,820	SC315663	MC	0.65	0.50	0
14,813	SC208510	MC	0.57	0.20	0
14,813	SC316338	MC	0.61	0.45	0
14,824	SC629771275	MC	0.66	0.31	0
14,826	SC313635	MC	0.77	0.42	0
14,813	SC630616768	MC	0.80	0.45	0
14,813	SC630907611	MC	0.79	0.46	0
14,819	SC293922	MC	0.63	0.35	0
14,821	SC295868	MC	0.56	0.34	0
14,823	SC311031	MC	0.80	0.43	0
14,826	SC280943	MC	0.74	0.42	0
14,823	SC629770461	MC	0.74	0.26	0
14,821	SC701074570	MC	0.84	0.48	0
14,811	SC287329	MC	0.57	0.35	0
14,823	SC313758	MC	0.45	0.27	1
14,821	SC316369	MC	0.57	0.38	0
14,823	SC703341421	MC	0.80	0.29	0
14,823	SC704556143	MC	0.83	0.31	0
14,813	SC281910	MC	0.65	0.37	0
14,824	SC288358	MC	0.64	0.32	0
14,824	SC299264	MC	0.54	0.34	0
14,812	SC316372	MC	0.67	0.44	0
14,824	SC629768579	MC	0.82	0.38	0
14,812	SC704551646	MC	0.82	0.48	0

**Table G-4. Item-Level Classical Test Theory Statistics—Technology/Engineering**

N	Item		Difficulty	Discrimination	Percent Omitted
	Number	Type			
1,835	SC299353	MC	0.67	0.46	0
1,835	SC310290	MC	0.48	0.29	0
1,810	SC287869	OR	0.44	0.58	1
1,831	SC310299	MC	0.66	0.34	0
1,831	SC313295	MC	0.54	0.34	0
1,835	SC316464	MC	0.76	0.53	0
1,835	SC268468	MC	0.69	0.36	
1,835	SC306829	MC	0.77	0.41	0
1,835	SC246687	OR	0.39	0.54	1
1,835	SC283422	MC	0.58	0.27	0
1,835	SC294359	MC	0.65	0.37	0
1,835	SC310019	MC	0.60	0.33	0
1,831	SC310289	MC	0.78	0.31	0
1,835	SC310292	MC	0.55	0.26	0
1,835	SC313226	MC	0.92	0.22	0
1,835	SC316507	MC	0.69	0.46	0
1,835	SC313223	MC	0.88	0.36	0
1,831	SC271593	MC	0.58	0.27	0
1,831	SC305178	MC	0.67	0.48	0
1,835	SC306828	MC	0.68	0.41	0
1,835	SC306830	MC	0.74	0.48	0
1,835	SC283487	MC	0.49	0.16	0
1,835	SC287774	MC	0.62	0.39	0
1,835	SC294378	OR	0.31	0.58	3
1,835	SC310042	MC	0.51	0.31	0
1,831	SC316468	MC	0.71	0.45	0
1,831	SC316500	MC	0.74	0.31	0
1,835	SC283426	MC	0.70	0.37	
1,835	SC287784	MC	0.85	0.35	
1,835	SC300319	MC	0.75	0.37	0
1,835	SC309910	MC	0.65	0.18	0
1,835	SC316456	MC	0.88	0.36	0
1,835	SC265143	OR	0.35	0.54	1
1,835	SC306804	MC	0.67	0.23	0
1,831	SC306812	OR	0.51	0.61	1
1,831	SC316514	MC	0.40	0.18	0
1,835	SC294403	MC	0.88	0.34	
1,835	SC300296	MC	0.69	0.40	0
1,835	SC306789	MC	0.65	0.35	0
1,835	SC310012	MC	0.71	0.44	0
1,835	SC310304	MC	0.77	0.49	0
1,835	SC206784	MC	0.60	0.30	0
1,835	SC246647	MC	0.71	0.44	0
1,831	SC306821	MC	0.50	0.26	0
1,835	SC310033	MC	0.55	0.35	0