Cluster assignments, polarization, and correspondence of MBEX-1 and MBEX-2 survey statements. Polarization aligns student responses to each statement along a strongly unfavorable (#1) to strongly favorable (#5) axis.

MBEX-1 Statements				MBEX-2 Statements			
MBEX-1 number	Cluster assignment	Statement polarization	Corresponding MBEX-2 number	MBEX-2 number	Cluster assignment	Statement polarizatio	Corresponding MBEX-1 number
1	IDR	-1	n/a	1	IND, PRIN	-1	18
2	IND	-1	n/a	2	IDR, IDR-P	-1	n/a
3	PRIN	-1	3	3	PRIN	-1	3
4	IND	-1	4	4	IND	-1	4
5	IND	-1	6	5	IDR, IDR-P	1	n/a
6	PRIN	1	7	6	IND	-1	5
7	REL	-1	8	7	PRIN	1	6
8	IDR	-1	n/a	8	REL	-1	7
9	REL	1	11	9	IDR, IDR-M	1	n/a
10	PRIN	-1	n/a	10	TS	1	24
11	PRIN, REL	-1	12	11	REL	1	9
12	n/a	1	n/a	12	PRIN, REL	-1	11
13	IND	1	n/a	13	IDR, IDR-P	-1	n/a
14	IDR	-1	14	14	IDR, IDR-M	-1	14
15	IDR	-1	n/a	15	REL	-1	16
16	REL	-1	15	16	IDR, IDR-P	1	n/a
17	REL	1	18	17	IDR, IDR-M	-1	n/a
18	IND, PRIN	-1	1	18	REL	1	17
19	IDR	-1	n/a	19	PRIN	-1	20
20	PRIN	-1	19	20	IDR, IDR-P	-1	n/a
21	IND	-1	n/a	21	IND	-1	23
22	IDR	-1	n/a	22	IDR, IDR-M	1	n/a
23	IND	-1	21	23	IDR, IDR-P	-1	26
24	TS	1	10	24	IDR, IDR-C	1	n/a
25	IDR	1	n/a	25	IND, PRIN	1	27
26	IDR	-1	23	26	IND, PRIN	-1	28
27	IND, PRIN	1	25	27	IND	-1	29
28	IND, PRIN	-1	26	28	IND, PRIN	1	30
29	IND	-1	27	29	IND, PRIN	-1	31
30	IND, PRIN	1	28	30	OEQ	none	n/a
31	IND, PRIN	-1	29	31	OEQ	none	n/a
32	IDR, IND,	-1	n/a	32	OEQ	none	n/a

Abbreviations: PRIN - principles vs. facts cluster; IND - independence vs. authority cluster; IDR - interdisciplinary reasoning vs. siloed thinking cluster; IDR-P- interdisciplinary reasoning vs. siloed thinking cluster - physics subcluster; IDR-M - interdisciplinary reasoning vs. siloed thinking cluster - math subcluster; IDR-C - interdisciplinary reasoning vs. siloed thinking cluster - chemistry subcluster; REL - relevance vs. isolation cluster; TS - test statement; OEQ - open-ended question.