

**Appendix Table 7-10**
**Correct answers to scientific process questions, by respondent characteristic: 2014**

(Percent)

Characteristic	Scientific inquiry	Probability	Experiment	Scientific study
All adults ( <i>n</i> = 2,130)	46	66	53	26
Sex				
Male ( <i>n</i> = 951)	46	66	53	27
Female ( <i>n</i> = 1,179)	46	66	54	26
Formal education				
< High school ( <i>n</i> = 246)	17	43	24	4
High school diploma ( <i>n</i> = 632)	29	57	41	11
Some college ( <i>n</i> = 607)	48	71	53	25
Bachelor's degree ( <i>n</i> = 406)	69	76	74	47
Graduate/professional degree ( <i>n</i> = 239)	78	84	84	60
Science/mathematics education <sup>a</sup>				
Low ( <i>n</i> = 1,205)	32	58	42	13
Middle ( <i>n</i> = 392)	56	72	62	36
High ( <i>n</i> = 435)	78	86	81	55
Family income (quartile) <sup>b</sup>				
Bottom ( <i>n</i> = 532)	25	52	38	14
Third ( <i>n</i> = 440)	38	61	49	21
Second ( <i>n</i> = 512)	54	72	58	31
Top ( <i>n</i> = 480)	66	79	69	39
Age (years) <sup>b</sup>				
18-24 ( <i>n</i> = 103)	35	60	41	24
25-34 ( <i>n</i> = 382)	52	69	58	35
35-44 ( <i>n</i> = 381)	48	68	56	27
45-54 ( <i>n</i> = 376)	51	69	60	23
55-64 ( <i>n</i> = 429)	43	66	52	25
≥ 65 ( <i>n</i> = 441)	40	63	47	21
Verbal ability <sup>c</sup>				
0-4 ( <i>n</i> = 258)	16	42	23	4
5 ( <i>n</i> = 209)	35	62	45	13



Characteristic	Scientific inquiry	Probability	Experiment	Scientific study
6 ( <i>n</i> = 315)	43	64	51	22
7 ( <i>n</i> = 227)	56	75	65	37
8-10 ( <i>n</i> = 304)	76	83	78	52
Trend factual knowledge of science scale (quartile) <sup>d</sup>				
Bottom ( <i>n</i> = 349)	16	39	27	7
Third ( <i>n</i> = 588)	28	55	41	12
Second ( <i>n</i> = 596)	49	73	54	25
Top ( <i>n</i> = 597)	78	86	80	52
NOTES:	<p><sup>a</sup> Low = ≤ 5 high school and college science/mathematics courses; middle = 6–8 courses; high = ≥ 9 courses. Categories do not add to total <i>n</i> because "don't know" responses and refusals to respond are not shown.</p> <p><sup>b</sup> Categories do not add to total <i>n</i> because "don't know" responses and refusals to respond are not shown.</p> <p><sup>c</sup> Measure is based on correct responses to a 10-item, multiple-choice test of vocabulary knowledge completed by 1,365 survey respondents. Categories represent the number of correct responses.</p> <p><sup>d</sup> Quartiles are based on the percentage of the nine questions in the trend factual knowledge of science scale that were answered correctly. See notes to appendix table 7-2 for the questions.</p>			
SOURCE:	<p>University of Chicago, National Opinion Research Center, General Social Survey (2014).  <i>Science and Engineering Indicators 2016</i></p>			