

# Answer Key and Question Alignment to Course Framework

Multiple-Choice Question	Answer	Skill	Learning Objective	Unit
1	C	1.A	SAP-1.A	1
2	C	6.C	SAP-4.C	2
3	C	2.D	SPQ-3.C	3
4	C	5.C	SPQ-4.A	4
5	A	5.F	SPQ-4.A	4
6	D	6.F	TRA-3.A	5
7	B	5.F	ENE-2.D	6
8	D	5.F	TRA-7.E	7
9	B	5.F	TRA-8.A	7
10	C	5.F	SPQ-5.B	7
11	C	5.F	SAP-9.A	8
12	B	5.F	ENE-6.B	9
13	A	5.E	TRA-1.B	4
14	C	2.C	SPQ-4.A	4
15	B	2.B	TRA-3.A	5

Free-Response Question	Question Type	Skill	Learning Objective	Unit
1	Short	3.A, 3.B, 4.C	SAP-1.B	1, 2
2	Long	1.A, 3.B, 4.C, 5.C, 5.E, 5.F, 6.D	TRA-1.B, TRA-2.A, SPQ-4.A, SAP-4.A, SAP-4.C, ENE-3.D, ENE-4.A, ENE-4.C	2, 4, 6, 9

The scoring information for the questions within this course and exam description, along with further exam resources, can be found on the [AP Chemistry Exam Page](#) on AP Central.