

Chemistry 12
Resource Exam A
Answer Key

Cognitive Processes	Weightings	Question Types
K = Knowledge	11%	50 = Multiple Choice (MC)
U = Understanding	78%	8 = Written Response (WR)
H = Higher Mental Processes	11%	

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Reaction Kinetics	A1-8	12%
2. Dynamic Equilibrium	B1-6	16%
3. Solubility Equilibria	C1-8	16%
4. Acids, Bases, and Salts	D1-6, E, F1-8	33%
5. Oxidation – Reduction	G1-4, H1-5	23%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	D	U	1	1	A2	MC
2.	D	U	1	1	A2	MC
3.	A	U	1	1	A4	MC
4.	C	H	1	1	A4	MC
5.	A	U	1	1	A6	MC
6.	B	U	1	2	B1	MC
7.	D	K	1	2	B1	MC
8.	A	U	1	2	B2	MC
9.	A	U	1	2	B2	MC
10.	A	U	1	2	B3	MC
11.	C	U	1	2	B5	MC
12.	C	H	1	2	B5	MC
13.	C	U	1	2	B6	MC
14.	C	U	1	2	B6	MC
15.	D	U	1	3	C1	MC
16.	A	H	1	3	C2	MC
17.	D	U	1	3	C4	MC
18.	D	U	1	3	C5	MC
19.	A	H	1	3	C5	MC
20.	A	K	1	3	C6	MC
21.	C	U	1	3	C7	MC
22.	B	K	1	4	D1	MC
23.	A	U	1	4	D3	MC
24.	D	U	1	4	D4	MC
25.	D	U	1	4	D5	MC
26.	C	U	1	4	D5	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
27.	C	U	1	4	E1	MC
28.	C	H	1	4	E1	MC
29.	D	U	1	4	E2	MC
30.	A	U	1	4	E3	MC
31.	A	K	1	4	E3	MC
32.	A	U	1	4	E4	MC
33.	D	U	1	4	F5	MC
34.	B	U	1	4	F3	MC
35.	B	U	1	4	F4	MC
36.	C	U	1	4	F1	MC
37.	D	H	1	4	F6	MC
38.	D	K	1	4	F8	MC
39.	A	K	1	5	G1	MC
40.	C	U	1	5	G1	MC
41.	C	H	1	5	G2	MC
42.	C	U	1	5	G2	MC
43.	D	U	1	5	G4	MC
44.	C	U	1	5	H1	MC
45.	A	K	1	5	H1	MC
46.	A	H	1	5	H1	MC
47.	A	U	1	5	H3	MC
48.	C	U	1	5	H3	MC
49.	B	U	1	5	H4	MC
50.	D	U	1	5	H5	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	–	U	4	1	A2	WR
2.	–	U	4	2	B6	WR
3.	–	U	4	3	C3,C4	WR
4.	–	U	3	4	D6	WR
5.	–	U	5	4	E4	WR
6.	–	U	3	4	F1	WR
7.	–	U	4	5	G3	WR
8.	–	U	3	5	H4	WR