

Chemistry 12
2008/09 Released Exam
June 2009 — Form A
Provincial Examination — 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	Question Source
1.	C	K	1	1	A1	MC	
2.	B	U	1	1	A2	MC	
3.	D	K	1	1	A4	MC	
4.	C	U	1	1	A4	MC	
5.	A	U	1	1	A6	MC	
6.	B	K	1	2	B1	MC	
7.	A	H	1	2	B2/H4	MC	
8.	A	U	1	2	B2	MC	
9.	A	U	1	2	B3	MC	
10.	A	U	1	2	B3	MC	
11.	D	H	1	2	B5	MC	
12.	D	U	1	2	B5	MC	
13.	C	U	1	2	B5,3	MC	
14.	B	U	1	2	B6	MC	
15.	A	U	1	3	C1,4	MC	
16.	B	K	1	3	C1	MC	
17.	D	U	1	3	C4	MC	
18.	C	H	1	3	C6,4	MC	
19.	B	H	1	3	C7,4	MC	
20.	A	U	1	3	C7	MC	
21.	C	U	1	3	C7	MC	
22.	A	U	1	4	D1	MC	
23.	D	U	1	4	D3	MC	
24.	D	U	1	4	D4	MC	
25.	B	U	1	4	D5	MC	
26.	A	U	1	4	D6	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
27.	D	K	1	4	E1	MC	
28.	A	H	1	4	E1	MC	
29.	D	U	1	4	E2	MC	
30.	A	H	1	4	E3/F5	MC	
31.	C	U	1	4	E3,2	MC	
32.	D	U	1	4	F4,5	MC	
33.	C	U	1	4	F5	MC	
34.	B	K	1	4	F1	MC	
35.	C	U	1	4	F3	MC	
36.	A	U	1	4	F1	MC	
37.	A	U	1	4	F6	MC	
38.	C	U	1	4	F8	MC	
39.	C	K	1	5	G1	MC	
40.	D	U	1	5	G1	MC	
41.	A	U	1	5	G1	MC	
42.	C	H	1	5	G2	MC	
43.	C	U	1	5	G3	MC	
44.	D	U	1	5	G4	MC	
45.	B	K	1	5	H1	MC	
46.	C	U	1	5	H1	MC	
47.	B	H	1	5	H1/E2	MC	
48.	A	U	1	5	H1	MC	
49.	D	U	1	5	H3	MC	
50.	A	U	1	5	H4	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
1.	–	U	4	1	A2	WR	
2.	–	U	4	2	B6	WR	
3.	–	U	4	3	C5/B3	WR	
4.	–	U	3	4	D4,1	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	