

Earth Systems 3209 – Outcomes Report, June 2010

Curricular Content Area	Question Distribution by Reporting Category		
	Level 1	Level 2	Level 3
Unit 1 Introduction to Earth Systems Science	1, 2, 3, 4	5, 6	
Unit 2 Earth's Systems	7, 8, 9, 11	10, 12	
Unit 3 The Geosphere	13, 15, 16, 19, 21, 22, 23, 24, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 43, 45, 47, 48, 50	14, 17, 18, 25, 26, 27, 28, 41, 51	20, 42, 44, 46, 49
Unit 4 Earth Through Time	52, 53, 54, 55, 56, 58		59, 60

Part 1: Multiple Choice

Question	Outcome	Level	Curricular Concept
1.	1.1.5	1	The Nature and Importance of Earth Science
2.	1.10/1.12/1.2.2.1	1	Historical Development/Ideas
3.	1.1.1	1	The Nature and Importance of Earth Science
4.	1.2.2.1	1	Historical Development/Ideas
5.	1.2.3.6/1.2.3.7	2	Geological Time
6.	1.2.3.5	2	Geological Time
7.	2.3.1.1/2.4.1.1	1	The Hydrosphere: Origin
8.	2.2.1.4	1	Origin of the Geosphere
9.	2.2.2.1	1	The Geosphere: Distribution
10.	2.3.2.2	2	The Hydrosphere: Distribution
11.	2.3.2.2	1	The Hydrosphere: Distribution
12.	2.3.2.1/2.3.2.2	2	The Hydrosphere: Distribution
13.	3.1.1.1	1	Minerals – The Building Blocks: Chemistry
14.	3.1.3.1	2	Minerals – The Building Blocks: Mineral Identification
15.	3.2.3.1	1	Rocks and the Rock Cycle: Igneous Rocks
16.	3.1.1.4	1	Minerals – The Building Blocks: Chemistry
17.	3.1.3.1	2	Minerals – The Building Blocks: Mineral Identification
18.	3.1.2.2	2	Minerals – The Building Blocks: Major Mineral Groups
19.	3.2.3.4	1	Rocks and the Rock Cycle: Igneous Rocks
20.	3.2.3.2	3	Rocks and the Rock Cycle: Igneous Rocks
21.	3.1.2.1	1	Minerals – The Building Blocks: Major Mineral Groups
22.	3.3.1.1	1	Plate Tectonics: History
23.	3.2.4.7	1	Rocks and the Rock Cycle: Sedimentary Rocks
24.	3.2.4.2	1	Rocks and the Rock Cycle: Sedimentary Rocks
25.	3.2.4.7	2	Rocks and the Rock Cycle: Sedimentary Rocks
26.	3.2.4.4	2	Rocks and the Rock Cycle: Sedimentary Rocks

27.	3.2.5.1	2	Rocks and the Rock Cycle: Metamorphic Rocks
28.	3.3.2.7	2	The Plate Tectonic Theory
29.	3.5.3.3	1	Fossil Fuels
30.	3.5.3.1	1	Fossil Fuels
31.	3.5.1.3	1	Economic Minerals
32.	OMITED		
33.	3.3.3.3	1	Evidence for Plate Tectonics
34.	3.3.3.7	1	Evidence for Plate Tectonics
35.	3.5.1.4	1	Economic Minerals
36.	3.3.2.6	1	The Plate Tectonic Theory
37.	3.5.3.4	1	Fossil Fuels
38.	3.3.2.5/3.3.2.4	1	The Plate Tectonic Theory
39.	3.2.5.3	1	Rocks and the Rock Cycle: Metamorphic Rocks
40.	3.3.3.8	1	Evidence for Plate Tectonics
41.	3.2.4.6	2	Rocks and the Rock Cycle: Sedimentary Rocks
42.	3.3.2.6/3.3.3.1	3	The Plate Tectonic Theory
43.	3.2.5.2	1	Rocks and the Rock Cycle: Metamorphic Rocks
44.	3.3.10/3.3.11	3	Evidence for Plate Tectonics
45.	3.3.3.1	1	Evidence for Plate Tectonics
46.	3.2.4.1/3.1.3.1	3	Minerals – The Building Blocks: Mineral Identification
47.	3.3.3.10	1	Evidence for Plate Tectonics
48.	3.5.1.5	1	Economic Minerals
49.	3.1.3.1	3	Minerals – The Building Blocks – Mineral Identification
50.	3.2.3.2	1	Rocks and the Rock Cycle: Igneous Rocks
51.	3.5.3.4	2	Fossil Fuels
52.	4.1.1.4	1	The Evolution of Life: Fossils
53.	4.2.2.1	1	Plate Tectonics Through Time: Present Day Activity
54.	4.2.2.3	1	Plate Tectonics Through Time: Present Day Activity
55.	4.3.9	1	Global Change – Past, Present and Future
56.	4.37/1.2.3.4	1	Global Change – Past, Present and Future
57.	OMITED		
58.	4.1.2.1	1	The Evolution of Life: Life Through Time

59.	4.2.2.2	3	Plate Tectonics Through Time: Present Day Activity
60.	4.1.1.6	3	The Evolution of Life: Fossils

Part 2: Constructed Response

Question	Outcome	Level	Curricular Concept
61. (a)	1.2.3.7	2	Historical Development: Geological Time
61. (b)	1.2.2.1	3	Historical Development: Historical Ideas
62. (a)	2.3.11/2.4.11/2.2.1.5	3	The Hydrosphere: Origin
62. (b)	2.3.2.2	2	The Hydrosphere: Distribution
63. (a)	3.3.3.4/3.3.3.7	2	Evidence for Plate Tectonics
63. (b)	3.1.3.1/3.1.3.2	2	Minerals – The Building Blocks: Mineral Identification
63. (c)	3.5.4.2	2	Economic Resources and their Formation: Technologies

63. (d)	3.2.4.3	2	Rocks and the Rock Cycle: Sedimentary Rocks
63. (e)	3.3.2.8	2	The Plate Tectonic Theory
63. (f)	3.3.3.11	2	Evidence for Plate Tectonics
63. (g)	3.3.3.11	2	Evidence for Plate Tectonics
63. (h)	3.3.2.6/3.3.2.5	2	The Plate Tectonic Theory
63. (i)	3.3.3.1	2	Evidence for Plate Tectonics
63. (j)	3.2.2.1/3.2.2.2	2	The Rock Cycle
63. (k)	3.3.3.1/3.3.2.3/2.2.2.2	3	Evidence for Plate Tectonics/The Plate Tectonic Theory
64. (a)	3.3.3.1/4.2.1.3	3	The Evolution of Life: Fossils
64. (b)	4.1.1.3/4.1.1.7	3	The Evolution of Life: Fossils
64. (c)	4.3.12	3	Global Change – Past, Present and Future