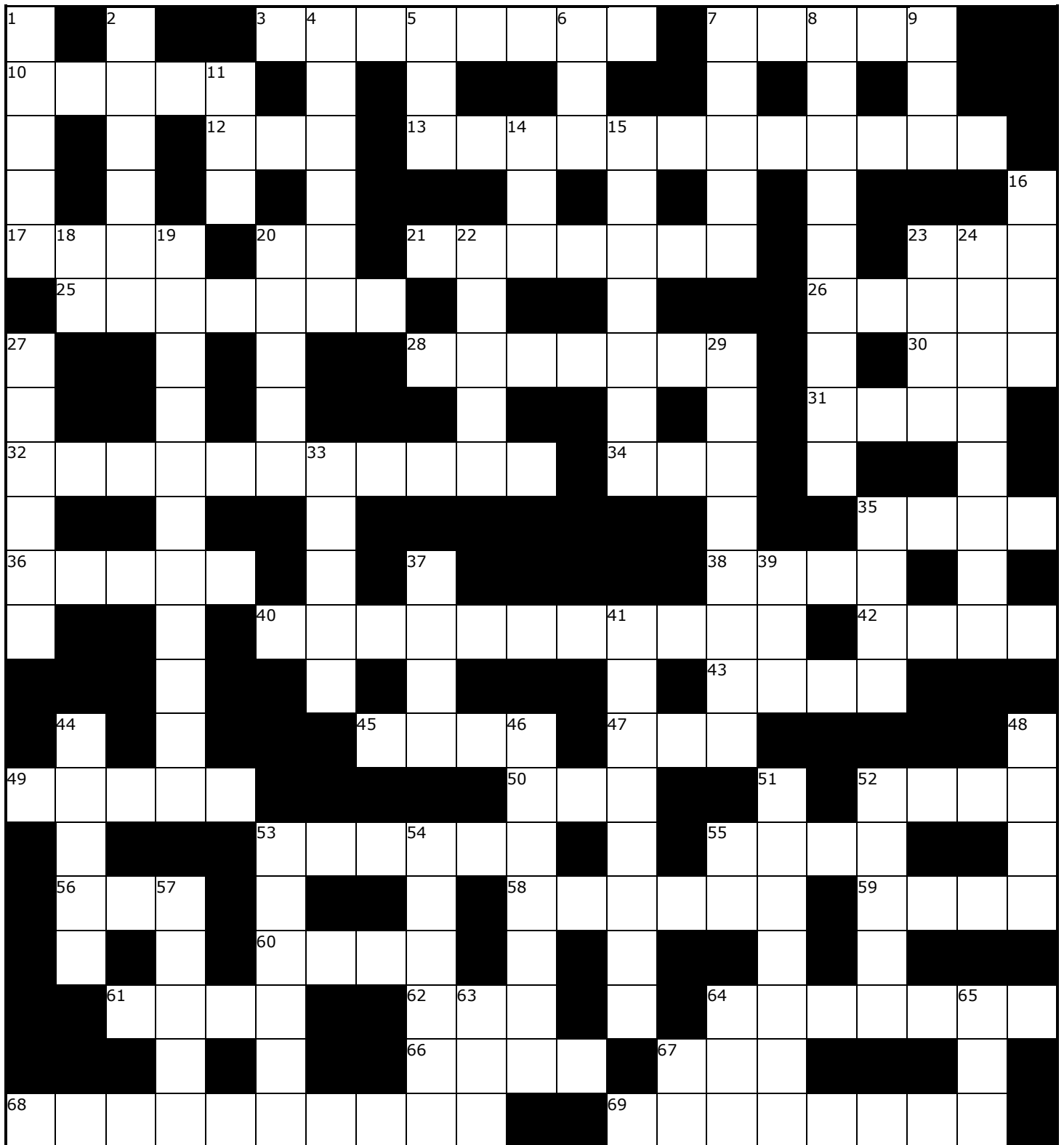


# SENIOR GEOLOGY CROSSWORD

by Ken Greatorex, Australian Skeptics



## CLUES ACROSS

3. & 7 Across: Very large thin piece of rock in the earth's outer crust which may slowly change position. (Two words, [8], [5])

7. See 3 Across:

10. Ring-shaped coral reef [5]

12. Female sheep [3]
13. The Law of \_\_\_\_\_ Relationships states that *An igneous intrusion is always younger than the rock it cuts across* [12]
17. A story which describes events occurring over a long period of time [4]
20. Specific Gravity (*abb.*). (A useful property for classifying rocks and minerals) [2]
21. A common igneous plutonic rock composed of large crystals of quartz, black mica and a feldspar [7]
23. Nothing
25. Male sibling [7]
26. Wind-blown sediment [5]
28. Collective term for rocks formed by cooling from the molten state [7]
30. Appendage of the foot [3]
31. Structure for protecting and incubating eggs [4]
32. Collective term for rocks formed by deposition [11]
34. An alluvial \_\_\_\_\_ is a gently sloping landform created over time by deposition of sediment. Common at the base of mountain ranges because streams slow down there [3]
35. Length of thick strong cord made by twisting together strands of fibre [4]
36. America's Great \_\_\_\_\_ formed as retreating ice sheets carved basins into the land [5]
38. A public beach [4]
40. Collective term for rocks formed by heat and pressure acting on existing rocks [11]
42. Plaster impression, e.g. of fossils [4]
43. This word is a part of your body but in Geography can an alternative for "isthmus" in describing a narrow strip of land almost surrounded by water [4]
45. Suspend [4]
47. Employ [3]
49. Crack in the earth's crust resulting from the movement of one side with respect to the other; common site for earthquakes [5]
50. Illuminated [3]
52. Sticky sediment arising from the weathering of basalt
53. Layers or beds of sedimentary rock [6]
55. The Pacific Ocean is the largest \_\_\_\_\_ of water on the planet [4]

56. The kind of sediment that eventually metamorphoses into shale, then slate [3]
58. & 59 Across: Mount Vesuvius is an example of this kind of volcano, formed from the falling ash of an eruption (two words, [6], [4])
59. See 58 Across
60. Animal fibre [4]
61. Shiny flaky mineral present in many different rocks [4]
62. Anger [3]
64. An element or compound occurring naturally in the earth's crust. Rocks are mixtures of these. [7]
66. Remedy [4]
67. Male adult person [3]
68. Wave Rock, The Bungle Bungle Ranges, Uluru, Fraser Island and The Great Barrier Reef are all \_\_\_\_\_ sites of geological significance [10]
69. The side of a river valley on the outside of a bend is likely to be in the shape of an \_\_\_\_\_ slope due to increased erosion [8]

### **CLUES DOWN:**

1. Crystals in rocks formed from magma cooling deep in the crust are likely to be quite \_\_\_\_\_ [5]
2. Angora goat wool [6]
4. Come into view from concealment [6]
5. Nervous involuntary body movement [3]
6. Belonging to it [3]
7. Volcanic ash cloud [5]
8. Arch of stratified rock in which the layers bend downward in opposite directions from the crest [9]
9. The longest division of geologic time, containing two or more eras [3]
11. The sheltered side of something; the side away from the wind [3]
14. Eggs [3]
15. The side of a river valley on the inside of a bend is likely to be in the shape of a \_\_\_\_\_ slope due to increased deposition [7]
16. Otherwise [4]
18. Symbol for lead [2]

- 19 & 57 Down: The movement of large sections of the earth's surface relative to each other (two words, [11], [5])
20. Intermediate stage of metamorphism between mudstone and slate [5]
22. Applying strict criteria, thoroughness [5]
23. Devices for catching fish, birds, or insects [4]
24. The rate decay of radioactive \_ \_ \_ \_ \_ can be used to date rocks [8]
27. A common volcanic rock often called bluestone [6]
29. Arch of stratified rock in which the layers bend upward in opposite directions from the trough [8]
33. The Law of Superposition states that sedimentary strata are newer than rocks they lie above [5]
- 35 & 52 down: Rocks are constantly being formed, worn down and then formed again over thousands of millions of years. This process is called the \_ \_ \_ \_ \_ (two words, [4], [5])
37. Molten rock which has reached the earth's surface [4]
39. Solid water [3]
41. Collective term for rocks formed by cooling from the molten state deep in the crust [8]
44. Molten rock which remains below the earth's surface [5]
45. Large long moving ice mass [7]
48. Sheet of rock that formed in a vertical crack in pre-existing rocks [4]
51. Pile of rocks left behind by a retreating glacier [7]
52. See 39 Down
53. World's biggest desert [6]
54. Continent which has the Great Rift Valley [6]
55. Symbol for Beryllium [2]
57. See 19 Down
63. To move at a speed faster than a walk, never having both or all the feet on the ground at the same time [3]
64. Psychologically deranged [3]
65. At, near, or towards the stern of a ship or tail of an aircraft.
67. Symbol for manganese [2]

## SOLUTION

L		M		T	E	C	T	O	N	I	C		P	L	A	T	E			
A	T	O	L	L		M		I		T		L		N		O				
R		H		E	W	E		C	R	O	S	S	C	U	T	T	I	N	G	
G		A		E		R				V		L		M		I			E	
E	P	I	C		S	G		G	R	A	N	I	T	E		C		N	I	L
	B	R	O	T	H	E	R		I		P				L	O	E	S	S	
B		N		A				I	G	N	E	O	U	S		I		T	O	E
A		T		L				O			F		Y		N	E	S	T		
S	E	D	I	M	E	N	T	A	R	Y		F	A	N		E			O	
A		N			E								C			R	O	P	E	
L	A	K	E	S		W		L					L	I	D	O		E		
T		N			M	E	T	A	M	O	R	P	H	I	C		C	A	S	T
		T			R		V					L		N	E	C	K			
	M	A				H	A	N	G		U	S	E							D
F	A	U	L	T						L	I	T			M		C	L	A	Y
	G				S	T	R	A	T	A		O		B	O	D	Y			K
	M	U	D		A			F		C	I	N	D	E	R		C	O	N	E
	A		R		H	A	I	R		I	I			A		L				
		M	I	C	A			I	R	E		C		M	I	N	E	R	A	L
			F		R			C	U	R	E		M	A	N				F	
A	U	S	T	R	A	L	I	A	N				U	N	D	E	R	C	U	T