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34. Terranes 75. Listric Normal Fault 35. Orogenic Belts or Orogenesis 76. High-Angle Reverse Fault 77. Anticline 37. Hot Spots 78. Syncline 38. Isostatic Adjustment 79. Monocline 39. Hypsometry 80. Homocline 40. Bathymetry 81. Dome 41. Landslide 82. Basin	32. Mantle Plume	73. Normal Fault	
35. Orogenic Belts or Orogenesis 36. Aulacogens 37. Anticline 37. Hot Spots 38. Isostatic Adjustment 39. Hypsometry 40. Bathymetry 41. Landslide 76. High-Angle Reverse Fault 77. Anticline 78. Syncline 79. Monocline 80. Homocline 81. Dome 82. Basin	33. Wilson Cycle	74. Low-Angle Reverse Fault	
36. Aulacogens77. Anticline37. Hot Spots78. Syncline38. Isostatic Adjustment79. Monocline39. Hypsometry80. Homocline40. Bathymetry81. Dome41. Landslide82. Basin	34. Terranes	75. Listric Normal Fault	
37. Hot Spots78. Syncline38. Isostatic Adjustment79. Monocline39. Hypsometry80. Homocline40. Bathymetry81. Dome41. Landslide82. Basin	35. Orogenic Belts or Orogenesis	76. High-Angle Reverse Fault	
38. Isostatic Adjustment 39. Hypsometry 80. Homocline 40. Bathymetry 81. Dome 41. Landslide 82. Basin	36. Aulacogens	77. Anticline	
39. Hypsometry 80. Homocline 40. Bathymetry 81. Dome 41. Landslide 82. Basin	37. Hot Spots	78. Syncline	
40. Bathymetry 81. Dome 82. Basin	38. Isostatic Adjustment	79. Monocline	
41. Landslide 82. Basin	39. Hypsometry	80. Homocline	
	40. Bathymetry		
42. Magma	41. Landslide	82. Basin	
	42. Magma		

- 83. the state of gravitational equilibrium between Earth's crust and mantle such that the crust "floats" at a certain elevation
- 84. (plate) thickness (1 pt) and density (1 pt)
- 85. isostatic rebound
- 86. The hypocenter is the point within the crust from which an earthquake's energy is first released (1 pt), while the epicenter is the point on the Earth's surface directly above the hypocenter (1 pt).
- 87. respiratory problems, water supply fouling, shut down of hydroelectric systems, fish and wildlife, nuisances of ash clean up, plane engines, death from inhalation, loss of tourism, birds, crops, loss of ski season (need at least 3 examples for full points)
- 88. soil buildup of positive nutrients, increase tourism due to curiosity and scenery, island arcs and other land building, increase in public awareness of emergency preparation, relocation of endangered towns and cities, geothermal energy (need at least 3 examples for full points)
- 89. $10^{(9.0-6.0)} = 1000$ times more intense (1 pt for work, 1 pt for correct answer)
- 90. $10^{1.5*(9.0-6.0)} = 31623$ times as much energy (1 pt for work, 1 pt for correct answer)

Tie breaker questions in the following order: 43, 29, 40, 89, 30, 44