

Final Exam YSBAT 2023-2024

1. Define abyssal plain
2. What are continental margins?
3. What are the three parts of a continental margin?
4. What is terrigenous sediment?
5. What is pelagic sediment?
6. What features are associated with continental-continental plate boundaries?
7. What features are associated with oceanic-continental plate boundaries?
8. What features are associated with oceanic-oceanic plate boundaries?
9. Where is the youngest part of the ocean floor found?
10. Where are most divergent boundaries found?
11. Describe Pangaea
12. What features do you get at divergent boundaries?
13. What rock makes up oceanic crust?
14. Why don't you get volcanic activity at transform faults?
15. Where do most volcanoes form?
16. Where do most cinder cones mostly form?

17. How does the melting point of rocks change with pressure?
18. How does the melting point of rocks change with water content?
19. Describe Rhyolitic magma
20. Describe Andesitic magma
21. Why is the magnetic pattern on both sides of the Mid-Atlantic Ridge a mirror image of each other?
22. Describe Basaltic magma
23. Describe Composite volcanoes
24. Describe Shield volcanoes
25. Describe Cinder cone volcanoes
26. Describe viscosity in terms of silica content.
27. Why didn't Wegener use magnetic data to help confirm his hypothesis of Continental Drift?
28. Define crater
29. Define caldera
30. What is the difference between magma and lava?
31. What is the Ring of Fire?
32. Describe how Hawaii formed
33. Describe a pyroclastic flow

34. Which earthquake waves arrive at a seismic station first?
35. Thoroughly describe how S-waves behave as they go through the earth.
36. Thoroughly describe how P-waves behave as they go through the earth.
37. What is the P-wave shadow zone?
38. Define the focus
39. Define epicenter
40. What does the Mercalli scale measure?
41. What does the Richter scale measure?
42. Define body waves
43. Define surface waves
44. How can you find the epicenter of an earthquake?
45. What is the difference between the magnitude and intensity of an earthquake?
46. Define tension
47. Define shear
48. Define compression
49. Define continental drift
50. Define magnetic reversal

51. Define divergent boundaries
52. Define transform boundaries
53. Define magnetometer
54. Define Pangaea
55. Define ridge push
56. Define convection
57. Define paleomagnetism
58. Define theory of plate tectonics
59. Define convergent boundaries
60. Define subduction
61. What is the silica content of andesitic magma?
62. Define continental crust
63. Define Circum-Pacific Belt
64. Define convergent
65. What is the silica content of rhyolitic magma?
66. Define hot spots
67. Define viscosity

68. Define Divergent

69. Define Continental

70. Define shield volcanoes

71. earthquake

72. Love waves

73. P-wave

74. seismograph

75. Epicenter

76. Mercalli scale

77. Richter scale

78. tsunami

79. focus

80. S-wave