



SCIENCE OLYMPIAD
— AT THE —
UNIVERSITY OF FLORIDA

Northern Regional: January 19th, 2019

Fossils B Test

Name(s): _____

Team Name: _____

School Name: _____

Team Number: _____

Rank: _____

Score: _____

Station 1

1. What prehistoric ocean did these organisms inhabit? (1)
2. What growth form do these organisms exhibit? (1)
3. What part of the organism is fossilized and what is it made of? (1)
4. How do these organisms obtain nutrients? (1)
5. Does this make a good index fossil? Why or why not (give 1 reason)? (1)
6. What rock is this specimen preserved in? (1)

Station 2

7. What was the siphuncle used for? (1)
8. Did this organism ever live during the same time period as ammonites? (1)
9. During what time periods did this organism live? (1)
10. What does their name mean? (1)
11. What are the separations of the shell called? (1)
12. In what year was this organism named? (1)

Station 3

13. What structure did this bivalve lack that most modern ones have? (1)
14. What is the nickname for the larger valve? (1)
15. (TB 3) What condition was believed to be prevented by carrying one of these? (1)
16. Which valve is larger (left or right)? (1)
17. What environment did this organism live in? (1)
18. When did this organism live? (1)

Station 4

19. What part of this organism is fossilized? (1)
20. What was the bite force of this organism approximated at? (1)
21. What time period is this an index fossil for? (1)
22. Was egg fertilization internal or external for this organism? (1)
23. How many full specimens of this organism have been found? (1)
24. When was this organism first discovered? (1)

Station 5

25. What type of eye did this organism have? (1)
26. What is the class name of this organism a reference to? (1)
27. What is the lens of the eye made from? (1)
28. What state has this organism as their state fossil? (1)
29. (TB 2) What was the endopodite used for? (1)
30. How many segments are in the thorax? (1)

Station 6

31. Who was this organism named after? (1)
32. The nickname for this organism is the _____ brachiopod. (1)
33. What is the shell of this organism made from? (1)
34. What was the average length of this organism? (1)
35. What environments did this organism live in? (1)
36. When did this organism live? (1)

Station 7

37. What was the environment of this organism? (1)
38. What was the texture of this organisms skin? (1)
39. What does the name of this organism mean? (1)
40. This organism did not breathe effectively through its lungs, so what breathing mechanism did it use instead? (1)
41. How many pairs of backward, curved fangs are there? (1)
42. What was the average mass of this organism? (1)

Station 8

43. How many fingers were on this organisms hands? (1)
44. How many toes were on this organisms feet? (1)
45. (TB 1) Who led Bill Rush, Ed Kott, and Sam Welles to the remains of this organism in 1942? (1)
46. How many legs did this organism walk on? (1)
47. How tall was this organism at the hip? (1)
48. What is the shape of this organisms neck? (1)

Station 9

49. What were these organisms horns used for? (1)
50. Why were these organisms called “thunder horses”? (1)
51. Who named these organisms? (1)
52. How many pounds of vegetation did this organism eat in a day? (1)
53. Would these organisms have been found in Florida? (1)
54. When did this organism live? (1)

Station 10

55. How large were this organism's flowers? (1)
56. Was this organism a gymnosperm or angiosperm? (1)
57. (TB 4) What is the name of the expedition in which fossils of this organism were found in Antarctica? (1)
58. What does the name of this organism mean? (1)
59. Where were the pollen-bearing organs found on this organism? (1)
60. How tall would the full organism of this specimen have been? (1)

Station 11

61. When was this organism discovered? (1)
62. Who named this organism and in what year? (1)
63. What is the diet of this organism? (1)
64. Where did this organism live? (1)
65. How long was this organism? (1)
66. What is the full name of the species of this organism? (1)

Station 12

67. How did this organism obtain nutrients? (1)
68. Who is this organism named after? (1)
69. Was this organism motile or sessile? (1)
70. What environment did this organism live in? (1)
71. Do these organisms have a mantle? (1)
72. What is a mantle? What does it do? (1)

Station 13

73. What environment did this organism live in? (1)
74. What features are similar to those of fish? (1)
75. When was this organism named? (1)
76. Where was the first specimen of this organism found? (1)
77. Did this organism have a functional neck? (1)
78. Could this organism come on land? (1)

Station 14

79. How did this organism reproduce? (1)
80. How many leaves were in a cluster? (1)
81. What habitat was this organism found in? (1)
82. What extant organism is this organism related to? (1)
83. When did this organism live? (1)
84. How was this organism classified? (1)

Station 15

85. Identify the sample. (1)

86. What kind of remains are found in this type of sample? (1)

87. What environment would this sample form in? (1)

88. What is this sample primarily composed of? (1)

89. What would happen to this sample if it came in contact with hydrochloric acid? (1)

90. What is a fossil? (1)