



SCIENCE OLYMPIAD
— AT THE —
UNIVERSITY OF FLORIDA

Northern Regional: January 19th, 2019

Fossils B Answer Key

Name(s): _____

Team Name: _____

School Name: _____

Team Number: _____

Rank: _____

Score: _____

Answer Key

This is a stations test with a total of 15 stations. You will be given 3 minutes per station to answer each of 6 questions. You may not go back to previous stations or move ahead if you finish early.

However, you may change previous answers. Time will be given to move between each station.

There is a total of 90 questions each being worth 1 point for a total of 90 points. No partial credit will be given. There is no penalty for guessing or leaving a question blank. Ties will be broken with tie breaker questions 45, 29, 15, and 57 in that order. You MAY NOT write on the stations, the only form which CAN be written on is the ANSWER SHEET. Points will be deducted for writing on the stations themselves. Good luck!

1. Paleo-tethys Ocean (1)
2. Fenstrate (1)
3. Skeleton, Calcium carbonate (1)
4. They are filter feeders who sieve food from the water. (1)
5. Yes; wide distribution, occupied a short time span, abundant, and distinctive. (1)
6. Limestone (1)
7. Buoyancy and movement/propelling through water. (1)
8. Yes (1)
9. Ordovician- Triassic (500-190 mya) (1)
10. "Straight horn" (1)
11. Septa (1)
12. 1820 (1)
13. Radula (1)
14. The "toenail" (1)
15. (TB 3)Rheumatism (1)
16. Left (1)
17. Shallow sea beds (1)
18. Jurassic-Cretaceous (237-34 mya) (1)
19. Bone plates (1)
20. ~7,400 N (1)
21. Devonian (1)
22. Internal (1)
23. None (1)
24. 1873 (1)
25. Holochroal (1)

26. Three-lobed body (1)
27. Calcite (1)
28. Wisconsin (1)
29. (TB 2) Gas exchange or breathing (1)
30. 13 (1)
31. Constantine Rafinesque (1)
32. Cursed (1)
33. Calcium Carbonate (1)
34. 5 cm (1)
35. Shallow, near shore sand burrows (1)
36. Ordovician- Silurian (484-423 mya) (1)
37. Lowland pond stream and river, swamps (1)
38. Bumpy (1)
39. "Drawn out face" (1)
40. Buccal Pumping (1)
41. 3 (1)
42. 90 kg (1)
43. 3 (1)
44. 4 (1)
45. (TB 1) Navajo Jesse William (1)
46. 2 (1)
47. 1.5 m (1)
48. S-shaped (1)
49. Fighting for breeding rights (1)
50. It was believed by the Sioux that they created thunderstorms. (1)
51. Joseph Leidy (1)
52. 120-200 lbs (1)
53. No (1)
54. Late Eocene (38-33.9 mya) (1)
55. It did not have flowers. (1)
56. Gymnosperm (1)
57. (TB 4) Terra Nova Expedition (1)
58. "Tongue fern" (1)
59. Partially fused to leaves (1)
60. ~30 m (1)
61. 2004 (1)
62. Bob Baker; 2006 (1)
63. Herbivorous, ate plants (1)
64. Woodlands of North America (1)
65. 2.4 m (1)
66. Dracorex Hogwartsia (1)
67. Filter feed (1)
68. Amos Henry Worthen (1)
69. Motile (1)
70. Marine (1)

71. Yes (1)
72. Dorsal body wall; excretes calcium carbonate to form a shell (1)
73. Shallow stream, swampy, pond (1)
74. Fins, scales, and gills (1)
75. 2004 (1)
76. Ellesmere Island (1)
77. Yes (1)
78. Yes (1)
79. Cloning or spores (1)
80. 8-13 (1)
81. Humid to wet habitats such as along rivers and lake shores. (1)
82. Horsetails (1)
83. Permian-Carboniferous (360-300 mya) (1)
84. Morphology/form (1)
85. Fossiliferous limestone (1)
86. Skeletal and shell remains (1)
87. Clear, warm, shallow marine waters (1)
88. Calcium carbonate (1)
89. It would effervesce. (1)
90. Preserved remains or traces of an organism from the geologic past. (1)