

MENTOR INVITATIONAL 2009 FOSSILS ANSWER KEY

School Name ANSWER KEY Team #

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| 1. <u>I GUANODON</u> | 31. <u>"clay" or "shale"</u> |
| 2. <u>VELOCIRAPTOR</u> | 32. <u>Septa</u> |
| 3. <u>ALLOSAURUS</u> | 33. <u>"straight horn"</u> |
| 4. <u>PLATEOSAURUS</u> | 34. <u>Buoyancy AND MOVEMENT (1/2 pt for each)</u> |
| 5. <u>PLATEOSAURS</u> | 35. <u>GRAPTOLIDEA</u> |
| 6. <u>True</u> | 36. <u>INDEX FOSSIL OR DATING ROCKS</u> |
| 7. <u>True</u> | 37. <u>marine or pelagic</u> |
| 8. <u>Erect stance/legs under body</u> | 38. <u>hexagonaria</u> |
| 9. <u>Pubis bone orientation</u> | 39. <u>Michigan</u> |
| 10. <u>T-rex</u> | 40. <u>Cnidaria</u> |
| 11. <u>MOLLYSCA</u> | 41. <u>"rising sun" / "rays of dawn" / "sunbeams of promise"</u> |
| 12. <u>BIVALVIA</u> | 42. <u>"colonial organisms" or "both marine"</u> |
| 13. <u>B.</u> | 43. <u>PALEOZOIC</u> |
| 14. <u>Filter feed particles from H₂O</u> | 44. <u>CRETACEOUS</u> |
| 15. <u>Bilateral</u> | 45. <u>Eocene</u> |
| 16. <u>Muscular foot</u> | 46. <u>D</u> |
| 17. <u>By their hinges</u> | 47. <u>D</u> |
| 18. <u>PECTEN</u> | 48. <u>A</u> |
| 19. <u>"wing" or "ear"</u> | 49. <u>Brachiopoda</u> |
| 20. <u>mobile</u> | 50. <u>bryozoan</u> |
| 21. <u>Scallops</u> | 51. <u>Articulata</u> |
| 22. <u>"benthic" or "marine"</u> | 52. <u>pedicle</u> |
| 23. <u>GINKGO</u> | 53. <u>Shale AND LIMESTONE (1/2 pt each)</u> |
| 24. <u>silver (yin) Apricot (hsing)</u> | 54. <u>ORDOVICIAN</u> |
| 25. <u>Metasequoia</u> | 55. <u>PENNSYLVANIAN</u> |
| 26. <u>Dawn Redwood</u> | 56. <u>hard & soft parts preserved. ← Soft-bodied organisms are preserved at this site</u> |
| 27. <u>living fossils</u> | 57. <u>"mother lode"</u> |
| 28. <u>Oregon</u> | 58. <u>D</u> |
| 29. <u>Cephalopoda</u> | 59. <u>Technology</u> |
| 30. <u>Orthoceras</u> | 60. <u>Species</u> |

extreme fossil richness
"lode places"