

## CAM 19 - TEST 2 - PART 4

### Tardigrades

For my 1. \_\_\_\_\_ on 2. \_\_\_\_\_, I 3. \_\_\_\_\_ to 4. \_\_\_\_\_ tardigrades. These are 5. \_\_\_\_\_ — or to be more 6. \_\_\_\_\_ — 7. \_\_\_\_\_-8. \_\_\_\_\_ animals. There are well over a thousand 9. \_\_\_\_\_ 10. \_\_\_\_\_ of these 11. \_\_\_\_\_ animals, which 12. \_\_\_\_\_ 13. \_\_\_\_\_ the phylum Tardigrada. Most tardigrades 14. \_\_\_\_\_ 15. \_\_\_\_\_ 16. \_\_\_\_\_ from 0.05 to 1 millimetre, 17. \_\_\_\_\_ the 18. \_\_\_\_\_ 19. \_\_\_\_\_ can 20. \_\_\_\_\_ to be 1.2 millimetres 21. \_\_\_\_\_ 22. \_\_\_\_\_. They are also sometimes 23. \_\_\_\_\_ 'water bears': 'water' because that's where they 24. \_\_\_\_\_ 25. \_\_\_\_\_, and 'bear' because of the 26. \_\_\_\_\_ they 27. \_\_\_\_\_. 'Moss 28. \_\_\_\_\_' is 29. \_\_\_\_\_ 30. \_\_\_\_\_ for tardigrades because of the 31. \_\_\_\_\_ they 32. \_\_\_\_\_ when 33. \_\_\_\_\_ from the 34. \_\_\_\_\_. They were first 35. \_\_\_\_\_ in 36. \_\_\_\_\_ in 1773 by Johann Goeze, who 37. \_\_\_\_\_ 38. \_\_\_\_\_ 39. \_\_\_\_\_ Tardigrada.

As I say, there are many 40. \_\_\_\_\_ 41. \_\_\_\_\_ of tardigrade — too 42. \_\_\_\_\_ to 43. \_\_\_\_\_ here — but, 44. \_\_\_\_\_ 45. \_\_\_\_\_, the 46. \_\_\_\_\_ 47. \_\_\_\_\_ 48. \_\_\_\_\_ similar 49. \_\_\_\_\_ 50. \_\_\_\_\_. They have a 51. \_\_\_\_\_ which is 52. \_\_\_\_\_, and also 53. \_\_\_\_\_ — a bit like a 54. \_\_\_\_\_ — and the 55. \_\_\_\_\_ 56. \_\_\_\_\_ four 57. \_\_\_\_\_. Each 58. \_\_\_\_\_ has a 59. \_\_\_\_\_ of 60. \_\_\_\_\_, at the 61. \_\_\_\_\_ of 62. \_\_\_\_\_ are 63. \_\_\_\_\_ four and eight 64. \_\_\_\_\_ 65. \_\_\_\_\_. I should also say that some 66. \_\_\_\_\_ 67. \_\_\_\_\_ have any 68. \_\_\_\_\_.: what they have are 69. \_\_\_\_\_, and these work 70. \_\_\_\_\_ 71. \_\_\_\_\_ 72. \_\_\_\_\_ 73. \_\_\_\_\_.

They 74. \_\_\_\_\_ the tardigrade to 75. \_\_\_\_\_ to 76. \_\_\_\_\_ or to 77. \_\_\_\_\_ its 78. \_\_\_\_\_. 79. \_\_\_\_\_ the 80. \_\_\_\_\_, there are 81. \_\_\_\_\_ 82. \_\_\_\_\_, or any 83. \_\_\_\_\_ for 84. \_\_\_\_\_ at all. 85. \_\_\_\_\_, 86. \_\_\_\_\_ and also 87. \_\_\_\_\_ are 88. \_\_\_\_\_ in a 89. \_\_\_\_\_ that 90. \_\_\_\_\_ the 91. \_\_\_\_\_ of the 92. \_\_\_\_\_.

93. \_\_\_\_\_ 94. \_\_\_\_\_ 95. \_\_\_\_\_ the tardigrade's 96. \_\_\_\_\_ is 97. \_\_\_\_\_, the 98. \_\_\_\_\_ 99. \_\_\_\_\_ I can 100. \_\_\_\_\_ this is that it 101. \_\_\_\_\_ 102. \_\_\_\_\_ 103.

\_\_\_\_\_ — a bit **104.** \_\_\_\_\_ even — though many of the **105.** \_\_\_\_\_ I looked at **106.**  
\_\_\_\_\_ its **107.** \_\_\_\_\_ as **108.** \_\_\_\_\_, which **109.** \_\_\_\_\_ **110.** \_\_\_\_\_ very **111.**  
\_\_\_\_\_. The tardigrade's **112.** \_\_\_\_\_ is a kind of **113.** \_\_\_\_\_ that can **114.** \_\_\_\_\_  
**115.** \_\_\_\_\_ to **116.** \_\_\_\_\_ teeth-like **117.** \_\_\_\_\_ known as 'stylets'. These are **118.**  
\_\_\_\_\_ **119.** \_\_\_\_\_ to **120.** \_\_\_\_\_ **121.** \_\_\_\_\_ or animal **122.** \_\_\_\_\_.

So, where are tardigrades **123.** \_\_\_\_\_? Well, they **124.** \_\_\_\_\_ in every part of the  
**125.** \_\_\_\_\_, in a **126.** \_\_\_\_\_ of **127.** \_\_\_\_\_: most **128.** \_\_\_\_\_, on the **129.** \_\_\_\_\_  
of a **130.** \_\_\_\_\_, or on many **131.** \_\_\_\_\_ **132.** \_\_\_\_\_ **133.** \_\_\_\_\_ or in very **134.**  
\_\_\_\_\_ **135.** \_\_\_\_\_. There's been some **136.** \_\_\_\_\_ **137.** \_\_\_\_\_ which has **138.**  
\_\_\_\_\_ that tardigrades are **139.** \_\_\_\_\_ of **140.** \_\_\_\_\_ **141.** \_\_\_\_\_ and very **142.**  
\_\_\_\_\_ **143.** \_\_\_\_\_, and they're also **144.** \_\_\_\_\_ to **145.** \_\_\_\_\_ **146.** \_\_\_\_\_ as  
**147.** \_\_\_\_\_ as **148.** \_\_\_\_\_ —200 **149.** \_\_\_\_\_ **150.** \_\_\_\_\_, or **151.** \_\_\_\_\_ of more  
than 148 **152.** \_\_\_\_\_ **153.** \_\_\_\_\_, which is **154.** \_\_\_\_\_ **155.** \_\_\_\_\_.

It has been said that tardigrades could **156.** \_\_\_\_\_ long after **157.** \_\_\_\_\_ **158.** \_\_\_\_\_ have been **159.** \_\_\_\_\_ **160.** \_\_\_\_\_, even in the **161.** \_\_\_\_\_ of an **162.** \_\_\_\_\_ **163.** \_\_\_\_\_ the **164.** \_\_\_\_\_. If **165.** \_\_\_\_\_ **166.** \_\_\_\_\_ too **167.** \_\_\_\_\_ and tardigrades are **168.** \_\_\_\_\_ **169.** \_\_\_\_\_ of **170.** \_\_\_\_\_ **171.** \_\_\_\_\_, they **172.** \_\_\_\_\_ a **173.** \_\_\_\_\_ called cryptobiosis. They **174.** \_\_\_\_\_ a **175.** \_\_\_\_\_ **176.** \_\_\_\_\_, called a tun — that's T-U-N — by **177.** \_\_\_\_\_ their **178.** \_\_\_\_\_ and **179.** \_\_\_\_\_, and their **180.** \_\_\_\_\_ **181.** \_\_\_\_\_ to **182.** \_\_\_\_\_ than one **183.** \_\_\_\_\_ of **184.** \_\_\_\_\_ **185.** \_\_\_\_\_. They can **186.** \_\_\_\_\_ in this **187.** \_\_\_\_\_ for **188.** \_\_\_\_\_, and if **189.** \_\_\_\_\_ to **190.** \_\_\_\_\_, when they will **191.** \_\_\_\_\_ **192.** \_\_\_\_\_ to **193.** \_\_\_\_\_ in a **194.** \_\_\_\_\_ of a **195.** \_\_\_\_\_ **196.** \_\_\_\_\_.

While in this **197.** \_\_\_\_\_ of cryptobiosis, tardigrades **198.** \_\_\_\_\_ a **199.** \_\_\_\_\_ that **200.** \_\_\_\_\_ their DNA. In 2016, **201.** \_\_\_\_\_ **202.** \_\_\_\_\_ two tardigrades that had been tuns for more than 30 years. There was a **203.** \_\_\_\_\_ that, in 1948, a 120-year-old tun was **204.** \_\_\_\_\_, but this **205.** \_\_\_\_\_ has **206.** \_\_\_\_\_ been **207.** \_\_\_\_\_.

\_\_\_\_\_. There are 208. \_\_\_\_\_ 209. \_\_\_\_\_ 210. \_\_\_\_\_ 211. \_\_\_\_\_ 212. \_\_\_\_\_ in  
213. \_\_\_\_\_, to 214. \_\_\_\_\_ how 215. \_\_\_\_\_ tardigrades might be 216. \_\_\_\_\_ to  
217. \_\_\_\_\_ there. I believe the 218. \_\_\_\_\_ 219. \_\_\_\_\_ 220. \_\_\_\_\_ is 10 days.

So, erm, moving on. 221. \_\_\_\_\_ 222. \_\_\_\_\_ 223. \_\_\_\_\_ their 224. \_\_\_\_\_,  
tardigrades 225. \_\_\_\_\_ 226. \_\_\_\_\_ 227. \_\_\_\_\_ 228. \_\_\_\_\_ 229. \_\_\_\_\_ survive.  
Although they have 230. \_\_\_\_\_, they 231. \_\_\_\_\_ 232. \_\_\_\_\_ these for 233.  
\_\_\_\_\_. They 234. \_\_\_\_\_ the 235. \_\_\_\_\_ from 236. \_\_\_\_\_, or 237. \_\_\_\_\_ 238.  
\_\_\_\_\_ from 239. \_\_\_\_\_, but some 240. \_\_\_\_\_ 241. \_\_\_\_\_ 242. \_\_\_\_\_ other  
tardigrades, from other 243. \_\_\_\_\_ or within their own. I 244. \_\_\_\_\_ this 245. \_\_\_\_\_  
246. \_\_\_\_\_, 247. \_\_\_\_\_ that tardigrades are 248. \_\_\_\_\_ 249. \_\_\_\_\_ 250. \_\_\_\_\_  
251. \_\_\_\_\_ and are 252. \_\_\_\_\_ with a type of 253. \_\_\_\_\_.

Finally, I'd like to 254. \_\_\_\_\_ the 255. \_\_\_\_\_ 256. \_\_\_\_\_ of tardigrades. It is 257.  
\_\_\_\_\_ that they have been in 258. \_\_\_\_\_ for 259. \_\_\_\_\_ half a 260. \_\_\_\_\_ 261.  
\_\_\_\_\_ and, in that time, they have 262. \_\_\_\_\_ five 263. \_\_\_\_\_ 264. \_\_\_\_\_. So, it

will **265.** \_\_\_\_\_ come as **266.** \_\_\_\_\_ **267.** \_\_\_\_\_ to you, that tardigrades have not been **268.** \_\_\_\_\_ by the International Union for Conservation of Nature and are not on any **269.** \_\_\_\_\_ **270.** \_\_\_\_\_. Some **271.** \_\_\_\_\_ have **272.** \_\_\_\_\_ them as **273.** \_\_\_\_\_.

Does anyone have any questions they'd like to ask?