



Daily Article (Bharath's Reading list) - Answers and Explanations 10.04.2023

Article link : <http://bit.ly/3ZPv87m> (In the Mind of a Whale)

1."To obtain a whale brain for examination, the stars have to align". The author says so for all the following reasons except:

- A. Only few whales are in good condition when they beach as the whale brain is the first organ to decompose in the dead animal
- B. The people with the skills to extract and preserve the whale brain are rare
- C. The brain has to be refrigerated quickly but this isn't easy as most whales are bigger than most industrial freezers, which aren't easy to drive to the sea
- D. The biggest hospital scanners can scarcely accommodate a very large human, let alone an animal the size of a small baby whale

Explanation: D

All options except D are true. Option D is incorrect as, according to the article, the baby whales Reidenberg procured were just small enough to fit the MRI scanner

2.When the ratios of the brain sizes to the corresponding body sizes are compared, which of the following is correct?

- A. Whales > Men > Small birds > Mice > ants
- B. Small birds and ants > mice and men > whales
- C. Men and small birds > whales and dolphins > mice and ants
- D. Men > Whales and dolphins > Small birds and mice > ants

Explanation: B

Refer to the lines, "It's perhaps not a fair comparison: in relation to the size of our bodies, our brains are bigger than those of whales. Ours are similar in proportion to our body mass, as are the brains of some rodents; mice and men both invest a lot of themselves in their thinking organs. But we both lag far behind small birds and ants, which have much bigger brains compared to their body size than any big animals."

3.Which of the following is incorrect, based on the article?

- A. Cetacean brains suddenly got bigger about 10 million years after they had already moved into the sea as their behaviour became more complex, more social
- B. VENs, the cells that make human integrative experience unique, were discovered by Patrick Hof and his colleague in 2006
- C. A brain attribute is not simply “good” or “bad” for thinking, but rather varies depending on the situation and the thinking that brain needs to undertake
- D. The more cortex you have and the more wrinkled it is, the more surface area available for making connections and the more the neurons packed in, the better the brain function in humans

Explanation:

Correct option **B**

All options except B are true. Option B is incorrect, based on the lines, “ In 2006, he and his colleague Estel Van der Gucht published a paper....When examining preserved slices of human brain, he encountered an unusual-looking neuron... He realized he was seeing a von Economo neuron (VEN), a type of brain cell that was first described more than a century before but had been long ignored.”

