

1. The human brain makes up _____ of the body's weight yet uses _____ of the body's oxygen and glucose.
 - a. 1 %; 15%
 - b. 2 %; 20 %
 - c. 3 %; 25 %
 - d. 4 %; 30 %

2. How many neurons are present in the brain ?
 - a. 100 thousand
 - b. 100 million
 - c. 100 billion
 - d. 100 trillion

3. According to the latest research, neurons in the brain cannot reproduce.
 - a. false - they can reproduce
 - b. true - they cannot reproduce

4. What does an electroencephalograph do ?
 - a. measures the size of the brain
 - b. finds regions where the brain has been damaged
 - c. measures electrical activity in the brain
 - d. finds areas where neurons are firing

5. Which technology would be useful in finding the areas of the brain which are active when a person is reading ?
 - a. CAT scan
 - b. PET scan
 - c. MRI
 - d. x rays

6. Which technology uses magnets, radio waves and computers to produce detailed images of the brain ?
 - a. CAT scan
 - b. PET scan
 - c. MRI
 - d. x rays

7. Which is a function of the medulla oblongata ?
 - a. adjustment of blood pressure
 - b. control of swallowing
 - c. management of the depth of breathing
 - d. regulation of heart rate
 - e. all of the above

8. Unconscious control of muscle co-ordination takes place in this brain structure.
 - a. cerebrum
 - b. cerebellum
 - c. hypothalamus
 - d. thalamus

9. Sensory information is sorted in the
 - a. cerebrum
 - b. cerebellum
 - c. hypothalamus
 - d. thalamus

10. Conscious control of muscle co-ordination takes place in this brain structure.
 - a. cerebrum
 - b. cerebellum
 - c. hypothalamus
 - d. thalamus

11. The difference between a beginner and an expert player of any game is probably related to the
 - a. degree to which the basics are taken over by the cerebellum
 - b. effectiveness of nerve impulse transmission through the corpus callosum
 - c. size of the cerebrum
 - d. speed at which neural impulses travel within the brain

12. Damage to this part of the brain usually results in death

- a. cerebrum
 - b. cerebellum
 - c. medulla oblongata
 - d. thalamus
13. This structure makes up 10% of the brain's volume yet contains 50% of its neurons
- a. cerebrum
 - b. cerebellum
 - c. medulla oblongata
 - d. thalamus
14. If intense pain is felt the thalamus will route the information to the
- a. cerebrum
 - b. cerebral cortex
 - c. hypothalamus
 - d. thalamus
15. If mild heat is felt the thalamus will direct the information to the
- a. cerebrum
 - b. cerebral cortex
 - c. hypothalamus
 - d. thalamus
16. The homeostatic control centre of the brain is the
- a. cerebrum
 - b. cerebral cortex
 - c. hypothalamus
 - d. thalamus
17. Reasoning and memory are centred in the
- a. cerebrum
 - b. cerebral cortex
 - c. hypothalamus
 - d. thalamus
18. "Consciousness" is located in this region of the brain
- a. cerebrum
 - b. cerebral cortex
 - c. hypothalamus
 - d. thalamus
19. The cerebral cortex is made up of _____ while the corpus callosum is composed of _____.
- a. grey matter; white matter
 - b. white matter; grey matter
20. Which lobe of the brain receives information from the eyes ?
- a. frontal
 - b. parietal
 - c. temporal
 - d. occipital
21. Bats have an extremely good sense of hearing. In order to process this information you might expect this lobe of their brain to be quite large.
- a. frontal
 - b. parietal
 - c. temporal
 - d. occipital