

31.2 The Central Nervous System

Multiple Choices:

1. What is the main link between the brain and the rest of the body:

- a. Cerebrum b. spinal cord. c. Cerebellum d. brain Stem

2. Which of the following is the best example of a reflex?

- a. Jumping up & down.
b. running in a race.
c. slowly putting your foot in cold water
d. pulling your hand away from a hot pot.

3. Which part of the brain controls blood pressure, heart rate, breathing and swallowing?

- a. brain stem
b. limbic system
c. cerebral cortex
d. thalamus

4. Which of the following is a function of frontal lobe?

- a. making judgment
b. hearing and smelling
c. reading and speech
d. vision

5. Which part of the brain is the sight of intelligence, learning and judgment?

- a. brain stem
b. cerebellum
c. cerebrum
d. limbic system

Matching :

Part of Brain

- 6. Cerebrum**
7. Cerebellum
8. Brain stem
9. Thalamus
10. hypothalamus

Function

- A. Coordinates and balances the actions of the muscles
B. Regulate the flow of information between the brain and the rest of the body
C. Controls voluntary activities of the body
D. Controls hunger, thirst, fatigue, anger & body temperature.
E. receives & relay messages from sensory organs.

11. What connects the two hemispheres of the brain is called

Matching :

Brain lobe

12. Frontal

13. Temporal

14. Parietal

15. Occipital

Function

A. vision

B. Evaluating consequences, making judgments & plans

C. Hearing & smell

D. Reading & speech centers.

Addiction and the brain:

16. the part of the brain changed due to drug abuse is

17. The neurotransmitter associated with brain's pleasure and reward center is called

Matching

Part of Brain

18. Methamphetamine

19. Cocaine

20. Heroin

21. Nicotine and alcohol

Function

A. keeps dopamine in a synaptic area longer, suppressing pain & intensifying pleasure.

B. stimulates receptors elsewhere in brain leading to dopamine release.

C. Causes an increased moderate release of dopamine.

D. releases a flood of dopamine, produces an instant high

END