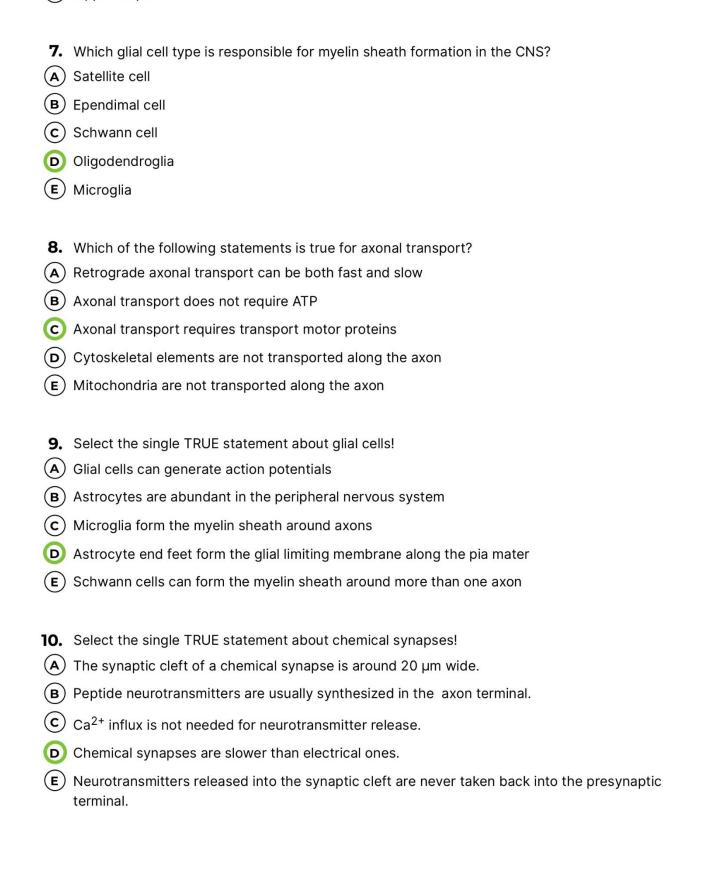
Sample test

Name _____ Date ____

IBB Hungary

Score			

- 1. Choose the ONLY correct statement!
- (A) The corticospinal pathway is also called the pyramidal pathway because its axons pass through the pyramid of the medulla oblongata.
- (B) Axons of the corticospinal tract always form synapses with spinal cord motoneurons.
- (c) The axons of the corticospinal tract cross in the pons.
- **D** The supplementary motor cortex is located exclusively in the frontal lobe of the left hemisphere.
- 2. Choose the TWO correct statements!
- A The reticulospinal pathway starts from the medulla and pons.
- B The reticulospinal tract is involved in the initiation of movements.
- (c) The reticulospinal tract originates from the diencephalon.
- **D**) The reticulospinal pathway runs in the dorsal funiculus of the spinal cord.
- 3. Choose the THREE correct statements!
- A part of the proprioceptive reflex is a monosynaptic pathway between muscle-derived afferents and spinal cord motoneurons.
- B The afferent branch of the reflex starts from the muscle spindle receptors.
- C The proprioceptive reflex can be triggered by hitting the muscle tendon.
- (D) There are no inhibitory interneurons in the proprioceptive reflex.
- 4. Acetylcholine is only used as a neurotransmitter in the parasympathetic nervous system
- True
- F) False
- 5. Which of the following is not a region of the hippocampus?
- Amygdala
- B CA1
- **c**) CA3
- **D** Dentate gyrus
- E CA2



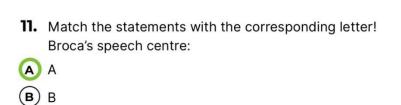
6. Dopaminergic neurons are mainly found in the substantia nigra and ventral tegmental area.

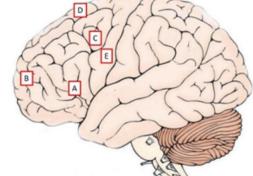
B) prefrontal cortex.

D) striatum.

(E) hippocampus.

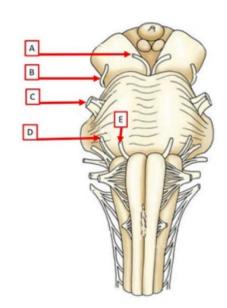
(c) nucleus accumbens.





12. Which letter is the trigeminal nerve marked by?





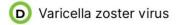
13. Lamina III and IV of the spinal cord are mediating pain, temperature and touch sensations.



F False

14. The seen rash is painful and itchy. What is the most likely causative agent in this disease?

- (A) Clostridium tetani
- B Neisseria meningitidis
- **c** Rabies virus





15.	Which neurons are affected in amyotrophic lateral sclerosis (ALS)?
A	lower motor neurons
\bigcirc	upper motors neurons
C	both
D	neither
16.	Fill the gaps with the appropriate answers below:
	Inhibitors of the neurotransmitter cause the pupil of the eye to
A	acetylcholine; dilate
\bigcirc	norepinephrine; constrict
c	acetylcholine; constrict
D	GABA; dilate