

Anatomy and Physiology

FOR ENGLISH LANGUAGE LEARNERS

Vocabulary Quiz Chapter 5

Exercise 1 Fill in the blanks with the following nouns. Be sure to use correct word forms.

afferent
axon
dendrites
general anesthesia
mixed
myelinated
sensory receptors
synapse
synaptic end bulb
vesicles

1. The _____ of one neuron receive messages from other neurons.
2. The _____ is a single long extension which sends messages from one neuron to another.
3. The _____ is the gap between the axon of one neuron and the dendrites of another.
4. When axons are _____ messages can travel faster.
5. _____ in a person's finger feel heat when the finger is near a fire.
6. _____ neurons send messages to the brain and spinal cord.
7. When a person undergoes heart surgery, he receives _____.
8. When an electrical message reaches the end of an axon, it is in the area called the _____.
9. Small sacs in the synaptic end bulb where neurotransmitter are stored are called _____.
10. Messages that can travel to and from the CNS on the same nerves are _____ nerves.



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Exercise 2 Read the following functions. Then choose the correct term from the box to identify the structure or hormone which carries out that function.

cell body
cochlea
cones
cranial nerves
mixed nerves
motor neuron
myelin sheath
neurotransmitter
rods
sensory neuron
sensory receptors in the skin
sodium and potassium
spinal nerves
synaptic vesicles
vestibular apparatus

1. It is the decision making part of the neuron. _____.
2. They hold and then release neurotransmitter. _____.
3. It attaches to receptor molecules of the next neuron and then another electrical signal is produced. _____.
4. It is a fatty insulation on an axon that allows messages to travel quickly.
5. These are nerves that travel between the brain and other areas in the head. _____
6. These nerves travel from sensory receptors to the brain. _____
7. These nerves travel from the brain to a muscle. _____
8. These nerves carry messages two ways: from sensory receptors to the brain and from the brain to muscles. _____
9. There are 31 pairs of these nerves. They carry messages to and from the body. _____.
10. They are located in the retina of the eye. They are for sharpness of vision.
11. They are located in the retina of the eye. They are important in color vision.
12. It is located in the ear. It contains the sensory receptors for hearing.
13. It is located in the ear. Its function is to help you maintain balance and body position.
14. These molecules travel in and out of a neuron. They cause an electrical current to form in the first neuron.



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