## $\label{thm:convergence} \begin{tabular}{ll} The Muscular System: Neuromuscular Junction \\ \end{tabular}$

1.	What insulates each muscle cell?
2.	Synaptic vesicles in the axon terminal of a motor neuron contain what
	neurotransmitter?
3.	An action potential in the axon terminal of a motor neuron opens what type
	of ion channels?
4.	By what means of membrane transport does the neurotransmitter leave the
	axon terminal?
5.	Binding of neurotransmitter to the receptors on the motor endplate open
	what type of ion channels?
6.	Opening of these channels leads to of the motor endplate.
7.	How is the neurotransmitter removed from the synaptic cleft?
8.	As a result of question 6, an action potential is propagated along the
	of the muscle cell and down the
	into the cell.
9.	The result of this action potential releases what ion from the terminal
	cisternae?
10.	a. What effect did molecule "X" in the quiz have on the muscle contraction?
	b. Explain its mechanism of action.
	c. What drug did molecule "X" act like?
11.	a. What effect did molecule "Y" have on the muscle contraction?
	b. Explain its mechanism of action.
	c. What drug did molecule "Y" act like?

12.	a. What effect did molecule "Z" have on the muscle contraction?
	b. Explain its mechanism of action.
	c. What drug did molecule "Z" act like?