1. Describe the function of each type of glia in supporting the nervous system.

2. Describe the role of the sodium-potassium pump in establishing and maintaining the resting potential of a neuron.

3. Explain the all-or-none law of action potentials and discuss how the intensity of a stimulus is encoded by neurons under this law.

4. What is myelination, and how does it affect the speed of nerve impulse transmission?

5. Compare and contrast ionotropic and metabotropic receptors in the postsynaptic cell

6. Describe the process of exocytosis at the presynaptic terminal.

7. Differentiate between EPSPs and IPSPs in terms of their effect on the postsynaptic neuron's membrane potential.

8. What are agonists and antagonists in the context of neurotransmitter action?

9. Explain the concept of the concentration gradient and the electrical gradient. How do these forces influence the movement of ions across the neuronal membrane?