

Test Bank

10/10/2023

Topic: The Nervous and Muscular Tissues of the Human Body
Topic: Tissue & Muscle & Bone & Endoneurium & Nerve

Chapter 12: The Nervous System

Multiple Choice

1. The movement of K^+ and Cl^- across the blood-testis membrane and the entry to testes through seminiferous tubes
- a. active transport of K^+ and Cl^-
 - b. active transport of K^+ and Cl^- by glucose-dependent co-transporters
 - c. diffusion of K^+ and Cl^- by osmosis
 - d. diffusion of K^+ and Cl^- by active transport
 - e. active transport of K^+ and Cl^-

Answer: d

Key Concept: 12.1: Nervous Tissue Exchange Mechanisms: Physical Barriers

Learning Objective: 12.1.1: Describe the concept of partial permeability and how it relates to the movement of particles in and out.

Answer Key: d. Endoneurium

2. The movement of particles in and out of the testis is controlled by the blood-testis barrier, which is formed by the tight junctions between the cells of the seminiferous tubules. The partial permeability of the blood-testis barrier is approximately _____ and is _____.

- a. 0.1
- b. 0.01
- c. 0.001
- d. 0.0001
- e. 0.00001

Answer: e

Key Concept: 12.1: Nervous Tissue Exchange Mechanisms: Physical Barriers

Learning Objective: 12.1.1: Describe the concept of partial permeability and how it relates to the movement of particles in and out.

Answer Key: e. Endoneurium

3. In a typical cell, the concentration of K^+ is higher than the concentration of Cl^- and the concentration of Na^+ is lower than the concentration of Cl^- . The partial permeability of the cell membrane is approximately _____ and is _____.

- a. 0.1
- b. 0.01
- c. 0.001
- d. 0.0001
- e. 0.00001

Answer: e

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M Lipman



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