MULTIPLE CHOICE

- 1. The anatomic term _____ means toward the midline.
 - a. anterior
 - b. posterior
 - c. medial
 - d. cranial

ANS: C

The term medial indicates an anatomic direction toward the midline.

DIF:Cognitive Level: KnowledgeREF:Page 1OBJ:2TOP:Anatomic terminologyKEY:Nursing Process Step:AssessmentMSC:NCLEX: Physiological IntegrityStep:Step:Assessment

- 2. What are the smallest living components in our body?
 - a. Cells
 - b. Organs
 - c. Electrons
 - d. Osmosis

ANS: A

Cells are considered to be the smallest living units of structure and function in our body.

DIF:	Cognitive Level: Knowledge	REF: Page 4	OBJ: 6
TOP:	Structural levels of organization	KEY: Nursing I	Process Step: N/A
MSC:	NCLEX: Physiological Integrity	_	-

- 3. What is the largest organelle, responsible for cell reproduction and control of other organelles?
 - a. Nucleus
 - b. Ribosome
 - c. Mitochondrion
 - d. Golgi apparatus

ANS: A

The nucleus is the largest organelle within the cell.

DIF:	Cognitive Level: Knowledge	REF: Page 5	OBJ: 8
TOP:	Parts of the cell	KEY: Nursing Pro	cess Step: Assessment
MSC:	NCLEX: Physiological Integrity	-	_

- 4. When the patient complains of pain in the bladder, the patient will indicate discomfort in which body cavity?
 - a. Pelvic
 - b. Mediastinum
 - c. Dorsal
 - d. Abdominal

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ANS: A

A subdivision called the pelvic cavity contains the lower portion of the large intestine (lower sigmoid colon, rectum), urinary bladder, and internal structures of the reproductive system.

DIF:Cognitive Level: ComprehensionREF:Page 3, Figure 1-4OBJ:5TOP:Body cavityKEY:Nursing Process Step:MSC:NCLEX: Physiological IntegrityKEY:Nursing Process Step:

- 5. The four phases of cell division all occur in:
 - a. diffusion.
 - b. mitosis.
 - c. osmosis.
 - d. filtration.

ANS: B

During mitosis, the cell goes through four phases: prophase, metaphase, anaphase, and telophase.

DIF: Cognitive Level: Knowledge REF: Page 7 OBJ: 9 TOP: Cell division KEY: Nursing Process Step: N/A MSC: NCLEX: Physiological Integrity

- 6. Telophase is which phase of cell reproduction during mitosis?
 - a. First phase
 - b. Latent phase
 - c. Final phase
 - d. Spindle phase

ANS: C

During mitosis, the cell goes through four phases: prophase, metaphase, anaphase, and telophase.

DIF:Cognitive Level: KnowledgeREF:Page 7OBJ: 9TOP:Cell division KEY: Nursing Process Step:N/AMSC:NCLEX:Physiological Integrity

- 7. The nurse is aware that which muscle group is both striated and involuntary?
 - a. Skeletal
 - b. Glial
 - c. Cardiac
 - d. Visceral

ANS: C The cardiac muscle is both striated and involuntary.

DIF:	Cognitive Level: Kno	owledge	REF: Page 9-10, Figure 1-12
OBJ:	11 TOP:	Tissues	KEY: Nursing Process Step: Planning
MSC:	NCLEX: Physiologic	al Integrity	

- 8. What is a group of several different kinds of tissues arranged so that together they can perform a more complex function than any tissue alone?
 - a. Organ

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- b. System
- c. Cell
- d. Endoplasmic reticulum

ANS: A

When several kinds of tissues are united to perform a more complex function than any tissue alone, they are called organs.

DIF:Cognitive Level: KnowledgeREF:Page 11OBJ: 7TOP:OrgansKEY:Nursing Process Step:N/AMSC:NCLEX:Physiological Integrity

- 9. What traits describe visceral muscles?
 - a. Smooth and voluntary
 - b. Smooth and involuntary
 - c. Striated and voluntary
 - d. Striated and involuntary

ANS: B

Visceral (smooth) muscles will not function at will; thus, they act involuntarily.

DIF:	Cognitive Level: Knowledge	REF: Page 9, Figure 1-12
OBJ:	7 TOP: Tissues	KEY: Nursing Process Step: Assessment
MSC:	NCLEX: Physiological Integrity	

- 10. How are the thoracic and abdominal cavities separated?
 - a. By the pleura
 - b. By the diaphragm
 - c. By the sagittal plane
 - d. By the peritoneum

ANS: B

The diaphragm (a muscle directly beneath the lungs) separates the ventral cavity into the thoracic (chest) and abdominal cavities.

DIF:Cognitive Level: KnowledgeREF: Page 10, Figure 1-3OBJ:3TOP: Ventral cavityKEY:Nursing Process Step: AssessmentMSC: NCLEX: Physiological Integrity

- 11. What is the broad section of biology dealing with the description of human structure?
 - a. Hematology
 - b. Anatomy
 - c. Kinesiology
 - d. Physiology

ANS: B

Anatomy is the study, classification, and description of the structure and organs of the body.

DIF:	Cognitive Level: Knowledge	REF:	Page 1	OBJ: 1
TOP:	Terminology	KEY:	Nursing F	Process Step: N/A
MSC:	NCLEX: Physiological Integrity			

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