

LABORATORY EXERCISE 2 BODY ORGANIZATION AND TERMINOLOGY

Instructional Suggestions

If a dissectible human torso model (manikin) is not available, you might want to have students consult the figures in various sections of a textbook, particularly the body sections in the reference plates, to gain some understanding of the organizational pattern of the human body.

Figure Labels

FIG. 2.1

- | | |
|--------------------------|------------------------------------|
| 1. Thoracic cavity | 4. Pelvic cavity |
| 2. Abdominal cavity | 5. Cranial cavity |
| 3. Abdominopelvic cavity | 6. Vertebral canal (spinal cavity) |

FIG. 2.2.a

- | | |
|--------------------|--------------------------------------|
| 1. Visceral pleura | 4. Visceral pericardium (epicardium) |
| 2. Pleural cavity | 5. Pericardial cavity |
| 3. Parietal pleura | 6. Parietal pericardium |

FIG. 2.2b

- | | |
|------------------------|------------------------|
| 7. Visceral peritoneum | 9. Parietal peritoneum |
| 8. Peritoneal cavity | |

FIG. 2.5

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|---|----------------------------------|
| 1. Sagittal plane (median; midsagittal plane) | 3. Transverse (horizontal) plane |
| 2. Frontal (coronal) plane | |

FIG. 2.6a

- | | |
|---|---|
| 1. Epigastric region | 6. Left hypochondriac region |
| 2. Right hypochondriac region | 7. Left lumbar region |
| 3. Right lumbar region | 8. Left iliac region (left inguinal region) |
| 4. Umbilical region | 9. Hypogastric region |
| 5. Right iliac region (right inguinal region) | |

FIG. 2.6b

- | | |
|--------------------------------|-------------------------------|
| 10. Right upper quadrant (RUQ) | 12. Left upper quadrant (LUQ) |
| 11. Right lower quadrant (RLQ) | 13. Left lower quadrant (LLQ) |

FIG. 2.7a

- | | | | |
|-------------|------------------|--------------|---------------|
| 1. Nasal | 8. Antecubital | 15. Crural | 22. Sternal |
| 2. Oral | 9. Abdominal | 16. Tarsal | 23. Pectoral |
| 3. Cervical | 10. Antebrachial | 17. Cephalic | 24. Umbilical |
| 4. Acromial | 11. Carpal | 18. Frontal | 25. Inguinal |
| 5. Axillary | 12. Palmar | 19. Orbital | 26. Coxal |
| 6. Mammary | 13. Digital | 20. Buccal | 27. Patellar |
| 7. Brachial | 14. Genital | 21. Mental | 28. Pedal |

FIG. 2.7b

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|---------------|--------------|--------------|----------------------------------|
| 29. Otic | 33. Brachial | 37. Sacral | 41. Popliteal |
| 30. Occipital | 34. Dorsum | 38. Gluteal | 42. Sural (calf) or crural (leg) |
| 31. Acromial | 35. Cubital | 39. Perineal | 43. Plantar |
| 32. Vertebral | 36. Lumbar | 40. Femoral | |

Laboratory Report Answers

PART A

- | | | | |
|------|------|------|-------|
| 1. a | 4. a | 7. a | 10. e |
| 2. d | 5. b | 8. c | 11. d |
| 3. a | 6. c | 9. d | 12. a |

PART B

- | | | | |
|------|------|------|-------|
| 1. c | 4. g | 7. e | 10. b |
| 2. d | 5. j | 8. f | 11. a |
| 3. h | 6. i | 9. k | |

PART C

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|--------------|--------------|----------------|-------------------|
| 1. Inferior | 4. Anterior | 7. Distal | 10. (Correct) |
| 2. (Correct) | 5. (Correct) | 8. (Correct) | 11. Contralateral |
| 3. (Correct) | 6. (Correct) | 9. Superficial | 12. Deep |

PART D

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|------|------|------|-------|
| 1. e | 4. i | 7. g | 10. h |
| 2. k | 5. l | 8. c | 11. f |
| 3. b | 6. j | 9. d | 12. a |

PART E

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|------|------|------|-------|
| 1. h | 4. j | 7. k | 10. a |
| 2. c | 5. l | 8. g | 11. b |
| 3. i | 6. f | 9. d | 12. e |



Critical Thinking Application Answers

PART F

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|-------------------------|---------------|
| 1. LUQ | 4. RUQ |
| 2. RLQ | 5. LUQ or LLQ |
| 3. Any or all quadrants | 6. LUQ |