

LABORATORY EXERCISE 2

BODY ORGANIZATION AND TERMINOLOGY

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

- | | |
|---------------------|----------------------|
| 1. Frontal sinuses | 4. Oral cavity |
| 2. Orbital cavities | 5. Sphenoidal sinus |
| 3. Nasal cavity | 6. Middle ear cavity |

FIG. 2.3a

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

FIG. 2.3b

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

FIG. 2.4

- | | |
|---------------------------------------|----------------------------------|
| 1. Coronal (frontal) plane | 3. Transverse (horizontal) plane |
| 2. Sagittal plane (midsagittal plane) | |

FIG. 2.5a

- | | |
|---|---|
| 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. 2.5b

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

FIG. 2.6a

- | | | | |
|-------------|------------------|--------------|---------------|
| 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. 2.6b

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

Laboratory Report Answers

PART A

1. a	5. b	9. e	13. g
2. g	6. d	10. h	14. g
3. a	7. a	11. f	
4. a	8. f	12. c	

PART B

1. visceral pleura	5. serous fluid (pleural fluid)
2. visceral pericardium	6. visceral pericardium
3. parietal peritoneum	7. mediastinum
4. visceral peritoneum	8. diaphragm

PART C

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

PART D

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

PART E

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 F (figure 2.7a and b)

1. Transverse (horizontal) plane	4. Cross section
2. Coronal (frontal) plane	5. Oblique section
3. Sagittal plane	6. Longitudinal section

PART G

1. f	5. k	9. l	13. j
2. i	6. m	10. h	14. g
3. n	7. o	11. d	15. b
4. c	8. a	12. e	

PART H

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|----|---|----|---|-----|---|-----|---|
| 1. | j | 5. | l | 9. | d | 13. | a |
| 2. | c | 6. | n | 10. | m | 14. | b |
| 3. | f | 7. | h | 11. | i | 15. | g |
| 4. | k | 8. | o | 12. | e | | |

**Critical Thinking Application Answers****PART I**

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