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SKU: 9780803669376-TEST-BANK

Chapter 1: Organization and General Plan of the Body

Completion
Complete each statement.

1. The study of the layers of a body part is called its _____.
2. The study of the blood flow of a body part is called its _____.
3. The bones of the skull are rigid and hard, which is part of their _____.
4. Red bone marrow produces blood cells; this production is part of its _____.
5. The deltoid area is _____ to the antecubital area.
6. The temporal area is _____ to the nasal area.
7. The pectoral area is _____ to the umbilical area.
8. The plantar area is _____ to the popliteal area.
9. The orbital areas are _____ to the temporal areas.
10. The cervical area is _____ to the parietal area.
11. The most posterior area of the head is the _____ area.
12. The most superior area of the lower limb is the _____ area.
13. The anterior site of attachment of the thigh to the trunk is the _____ area.
14. The inferior site of attachment of the upper limb to the trunk is the _____ area.
15. The organ system that is most external is the _____ system.
16. The organ system that is a framework that supports the body is the _____ system.
17. The organ system that takes oxygen from the lungs to the tissues is the _____ system.
18. The organ system of which the thyroid gland is part is the _____ system.
19. The organ system of which the esophagus is part is the _____ system.
20. The organ system of which the kidneys are part is the _____ system.

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21. The cranial cavity is continuous with the_____ cavity.

22. The most superior cavity in the trunk of the body is the _____ cavity.

23. The abdominal cavity is continuous with the _____ cavity.

24. Superior to the abdominal cavity is the muscle called the _____.

25. The diaphragm is inferior to the _____ cavity.

26. The cranial cavity is formed by the _____.

27. The spinal cavity is formed by the _____.

28. The cranial and spinal cavities are lined by membranes called the _____.

29. The brain and spinal cord are covered by membranes called the _____.

30. The brain is located in the _____ cavity.

31. The spinal cord is located in the _____ cavity.

32. The parietal pleura lines the _____.

33. The visceral pleura covers the _____.

34. The thoracic cavity is lined by a membrane called the _____.

35. The lungs are covered by a membrane called the _____.

36. The peritoneum lines the _____.

37. The mesentery covers the _____.

38. The abdominal cavity is lined by a membrane called the _____.

39. The abdominal organs are covered by a membrane called the _____.

40. To make clinical description easier, the abdomen may be divided into four _____.

41. The horizontal boundary between the upper and lower abdominal quadrants is a line through the _____.

42. The vertical boundary between the right and left abdominal quadrants is a line through the _____.

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43. A _____ section separates the body into right and left parts.

44. A _____ section separates the body into front and back parts.

45. A _____ section separates the body into upper and lower parts.

46. The nasal area would be separated from the occipital areas by a _____ section of the head.

47. The two orbital areas would be separated from each other by a _____ section of the head.

48. The deltoid areas would be separated from the gluteal areas by a _____ section of the trunk.

49. A transverse section of the femoral area would also be a _____ section.

50. A coronal section of the femoral area would also be a _____ section.

51. The pectoral and patellar areas are both on the _____ side of the body.

52. The sacral and lumbar areas are both on the _____ side of the body.

53. A temporal area is on the _____ side of the head.

54. The perineal area is _____ to the inguinal areas.

55. The smallest living unit of structure and function is the _____.

56. A living cell is made of nonliving materials called _____.

57. The two kinds of chemicals that make up cells are called _____ and _____.

58. A tissue is a group of cells with similar _____ and _____.

59. A tissue that supports the body is a type of _____ tissue.

60. A tissue that contracts to move part of the body is a _____ tissue.

61. A tissue that lines a body cavity is a type of _____ tissue.

62. A tissue that forms glands to produce secretions is a type of _____ tissue.

63. A group of tissues that work together is called a(n) _____.

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64. A group of organs that work together is called a(n) _____.

65. Of skin, bone, and fat, the one that is not an organ is _____.

66. Of muscle, tendon, and protein, the one that is not an organ is _____.

67. To maintain homeostasis, the body must constantly respond to _____.

68. The body responds to changes and remains healthy in a state called _____.

69. The type of feedback mechanism in which the response reverses the stimulus is called _____.

70. The type of feedback mechanism in which the response keeps the stimulus going is called _____.

71. The type of feedback mechanism that contains its own brake is called _____.

72. The type of feedback mechanism that requires an external brake is called _____.

73. Both positive and negative feedback mechanisms occur in the body, but the type that is more common is the _____ mechanism.

74. All of the chemical reactions and physical changes that take place in the body are called _____.

75. The heat (energy) production of the body is called _____.

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Chapter 1: Organization and General Plan of the Body
Answer Section

COMPLETION

1. ANS: anatomy

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 1
2. ANS: physiology

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 1
3. ANS: anatomy

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 1
4. ANS: physiology

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 1
5. ANS:
   superior (proximal)
   superior
   proximal

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
6. ANS: lateral

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
7. ANS: superior

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
8. ANS:
   distal (inferior)
   distal
   inferior

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
9. ANS: medial

   PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
10. ANS: inferior

    PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
11. ANS: occipital

    PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2
12. ANS: femoral

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PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2

13. ANS: inguinal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2

14. ANS: axillary

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 2

15. ANS: integumentary

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

16. ANS: skeletal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

17. ANS: circulatory

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

18. ANS: endocrine

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

19. ANS: digestive

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

20. ANS: urinary

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 3

21. ANS: spinal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

22. ANS: thoracic

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

23. ANS: pelvic

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

24. ANS: diaphragm

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

25. ANS: thoracic

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

26. ANS: skull

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

27. ANS:
vertebrae (spine, backbone)
vertebrae
spine
backbone

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PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

28. ANS: meninges

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

29. ANS: meninges

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

30. ANS: cranial

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

31. ANS:
spinal (vertebral)
spinal
vertebral

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

32. ANS: thoracic cavity

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

33. ANS: lungs

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

34. ANS: parietal pleura

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

35. ANS: visceral pleura

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

36. ANS: abdominal cavity

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

37. ANS: abdominal organs

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

38. ANS: peritoneum

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

39. ANS: mesentery

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 4

40. ANS: quadrants

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 5

41. ANS: umbilicus

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 5

42. ANS: umbilicus

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PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 5

43. ANS: sagittal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

44. ANS:
coronal (frontal)
coronal
frontal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

45. ANS: transverse

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

46. ANS:
coronal (frontal)
coronal
frontal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

47. ANS: midsagittal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

48. ANS: transverse

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

49. ANS: cross

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

50. ANS: longitudinal

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 6

51. ANS:
ventral (anterior)
ventral
anterior

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 7

52. ANS:
dorsal (posterior)
dorsal
posterior

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 7

53. ANS: lateral

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 7

54. ANS: medial

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PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 7

55. ANS: cell

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

56. ANS: chemicals

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

57. ANS:
inorganic, organic
organic, inorganic
inorganic organic
organic inorganic

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

58. ANS:
structure, function
function, structure
structure function
function structure

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

59. ANS: connective

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

60. ANS: muscle

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

61. ANS: epithelial

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

62. ANS: epithelial

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 8

63. ANS: organ

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 9

64. ANS: organ system

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 9

65. ANS: fat

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 9

66. ANS: protein

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 9

67. ANS: changes

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PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

68. ANS: homeostasis

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

69. ANS: negative

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

70. ANS: positive

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

71. ANS: negative

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

72. ANS: positive

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

73. ANS: negative

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

74. ANS: metabolism

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

75. ANS: metabolic rate

PTS: 1 REF: Chapter 1 – Organization and General Plan of the Body | Rev Ques: 10

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