

BMD 415 Lab Exam 1, Sept. 25, 2003

1. Identify the tissue. (48 sm mus, xs) smooth muscle
2. Why do most cells lack nuclei? xs missed nuclei

3. Identify the cells. (45 cardioesoph jxn) myenteric plexus
4. What do these cells secrete? Ach

5. Identify the structure. (13 geniculate ganglion LS) node of Ranvier
6. Name the glial cells forming this structure. Schwann cells

7. Identify the zone. (9 endochondral bone formation) resting zone
8. Name the cells in this zone. chondrocytes

9. Identify the fibers. (10 aorta) elastic
10. Describe the function of this tissue. absorb changes in BP

11. Identify the epithelium. (69 kidney) simple cuboidal
12. Describe the basal surface specializations. basal striations, Na^+ - K^+ ATPase

13. Describe the shape of this gland. (45 cardio-esoph jxn) tubular - xs
14. Describe the tissue surrounding (between) the glands. loose CT/ lamina propria

15. Identify the structure (line). (28 cardiac) intercalated disk
16. Identify the brown granules near the pointer. lipofuscin granules

17. Identify the cavity. (18 spinal cord decal) central canal
18. Name the cells lining the cavity. ependymal cells

19. Identify the organ. (16 rat cerebellum) choroid plexus
20. Describe its function. produce CSF

21. Identify the structure (light stain). (10 nerve - osmium) myelinated axon
22. Describe the stain/fixative. osmium

23. Identify the layer. (60 trachea) perichondrium
24. Identify the tissue below the pointer. cartilage

25. Identify the tissue. (66 skin) dense irregular CT
26. What is the main eosinophilic structure? collagen fibers

27. Identify the epithelium. (62 larynx) PSCC
30. Describe the surface specialization. cilia

31. Identify the tissue. (40 tongue) skel mus - xs
32. Explain one reason for your answer. periph nucl
33. Identify the space. (95 optic papilla) subarachnoid space
34. What occupies this space in life? CSF

35. Identify the organ. (11 cerebral cortex) brain

36. Identify the cell. pyramidal neuron
37. Identify the cell (7 decal bone) osteocyte
38. Identify the tissue. spongy bone
39. Identify the fibers. (1 tendon) collagen
40. Identify the tissue. dense regular CT
41. Identify the layer. (66 thick skin) keratinized cells
42. Identify the epithelium. stratified squamous
43. Identify the cell. (49 small intes) goblet cell
44. Identify the epithelium. simple columnar
45. Identify the tissue. (28 cardiac) cardiac muscle xs
46. Explain one reason for your answer. central nucleus
47. Identify the small cell to the right. (20 sympathetic ganglion) satellite cell
48. Identify the large cell to the left. multipolar neuron
49. Identify the cavity. (6 ground bone) lacuna
50. Describe the preparation method. ground bone

1. Identify the tissue.
2. Why do most cells lack nuclei?
3. Identify the cells.
4. What do these cells secrete?
5. Identify the structure.
6. Name the glial cells forming this structure.
7. Identify the zone.
8. Name the cells in this zone.
9. Identify the fibers.
10. Describe the function of this tissue.
11. Identify the epithelium.
12. Describe the basal surface specializations.
13. Describe the shape of this gland.
14. Describe the tissue surrounding (between) the glands.
15. Identify the structure (line).
16. Identify the brown granules near the pointer.

17. Identify the cavity.
18. Name the cells lining the cavity.

19. Identify the organ.
20. Describe its function.

21. Identify the structure
22. Describe the stain/fixative.

23. Identify the layer.
24. Identify the tissue below the pointer.

25. Identify the tissue.
26. What is the main eosinophilic structure?

27. Identify the epithelium.
30. Describe the surface specialization.

31. Identify the tissue.
32. Explain one reason for your answer.

33. Identify the space.
34. What occupies this space in life?

35. Identify the organ.
36. Identify the cell.

37. Identify the cell
38. Identify the tissue.

39. Identify the fibers.
40. Identify the tissue.

41. Identify the layer.
42. Identify the epithelium.

43. Identify the cell.
44. Identify the epithelium.

45. Identify the tissue.
46. Explain one reason for your answer.

47. Identify the small cell to the right.
48. Identify the large cell to the left.

49. Identify the cavity.
50. Describe the preparation method.