

Review Sheet

copultanies are more permeable. How do lymphatic capillaries differ from blood capillaries? arteriales nave NO an excess tissue un, 4. What is the function of the lymphatic vessels? 10 sectem. w 5. What is lymph? 6. What factors are involved in the flow of lymphatic fluid? mus 7. What name is given to the terminal duct draining most of the body? let 8. What is the cisterna chyli? How does the composition of lymph in the cisterna chyli differ from that in the general lymphatic stream? ymph on the custors lef AM ain 9. Which portion of the body is drained by the right lymphatic duct? 10. Note three areas where lymph nodes are densely clustered: _ anu sound errea and us 11. What are the two major functions of the lymph nodes? m a 12. The radical mastectomy is an operation in which a cancerous breast, surrounding tissues, and the underlying muscles of the anterior thoracic wall, plus the axillary lymph nodes, are removed. After such an operation, the arm usually swells, or becomes edematous, and is very uncomfortable-sometimes for months. Why? The Immune Response 1. Define the following terms related to the operation of the immune system: Immunologic memory antia am Specificity Recognition of self from nonself issue 10

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2. What is the function of B cells in the immune response? Upon antigen Challenge. produce theycome asmia alle lease antit 3. What is the role of T cells? Units indected cells attac Immunity. medialla 1400 Also atter nce nugration L tina Studying the Microscopic Anatomy of a Lymph Node

1. In the space below, make a rough drawing of the structure of a lymph node. Identify the cortex area, germinal centers, and medulla. For each identified area, note the cell type (T cell, B cell, or macrophage) most likely to be found there.

What structural characteristic ensures a slow flow of lymph through a lymph node? 2. assels than b Sevent iere are are leient nove phases on the time In the ac m Why is this desirable? or activation um Antibodies and Tests for Their Presence 1. Describe the structure of the immunoglobulin monomer. Jours 100 ann oma 1 Donas 0 Are the genes coding for one antibody entirely different from those coding for a different antibody? vaina antivo Constant Explain. oal ene XU an (onte ins antibody responding to ad

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3. Rheymatoid arthritis is said to involve an autoimmune response. What is an autoimmune response?

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4. In the test to identify the presence of rheumatoid factor in plasma, a clumping (agglutination), indicated a positive response (that is, the presence of the abnormal antibody). What event did the clumping reflect?

antibody-antigen conflepes (joecep (precipitate forms to indicate clumping, This well block passage warp.

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