

Bio 202a Midterm 2 SG

1. Know the endocrine glands by position, secretion/ hormones and functions.
2. Know detailed anatomy of the pituitary
3. Embryological development of the adrenal and thyroid
4. Study endocrine system disorders and be able to ID them by gland functions and/or symptoms.
5. Endocrine v exocrine glands
6. Know hormone classes with examples.
7. Study the feedback loops associated with glands in the endocrine system ie calcium, water metabolism.
8. Know the human blood types. Be familiar with antibody/antigen, donation and reception.
9. Know the liquid and formed elements of blood, including volumes.
10. What hormones affect blood counts/ volume? Which blood cells are most affected by radiation?
11. Know the different types of WBC's, their roles, and factors that might influence their numbers.
12. Study the development of the formed elements in blood from stem cell to final product.
13. Know the detailed anatomy of the heart (inside and out)
14. Study terms like cardiac output and stroke volume, know what they are and factors influence them.
15. Know how to read an EKG and what the heart is doing in each phase of the EKG.
16. Know the major blood vessels, arteries, arterioles, capillaries, venioles, veins.
17. Know the location and function of the different types of capillaries.
18. Be able to locate and name the major blood vessels of the body, know where they go/ what they do.
19. Know the organs of the lymphatic system, vessels, drains, lymph.
20. Know the WBC's, be able to ID them by function and visuals
21. Know the parts of the respiratory system, sinuses, organs of the thorax down to the alveolar sac.
22. Be able to read data from a spirometer and interpret what is occurring throughout the tract.