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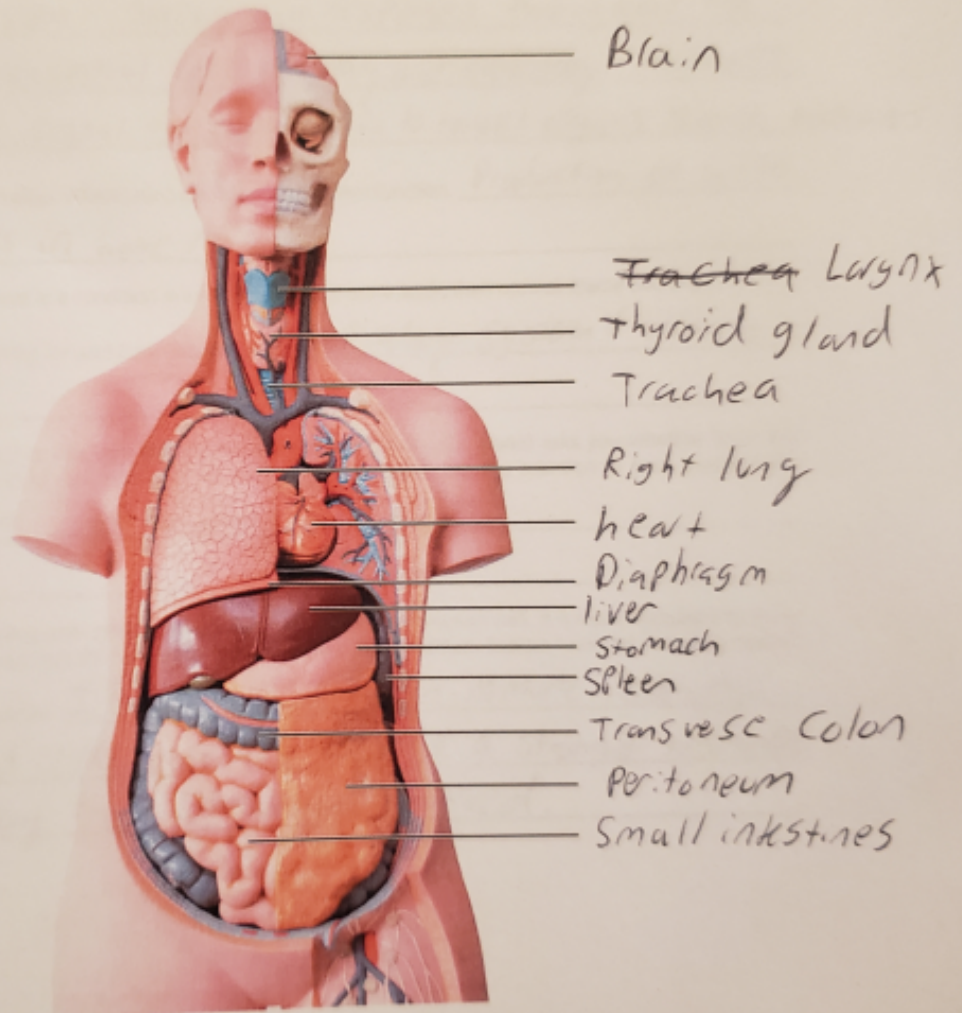
REVIEW SHEET

EXERCISE

Organ Systems Overview

Name Miguel Jule Lab Time/Date June 3 2021

1. Label each of the organs at the end of the supplied leader lines.



2. Name the organ system to which each of the following sets of organs or body structures belongs.

Lymphatic 1. thymus, spleen, lymphatic vessels

Skeletal 2. bones, cartilages, tendons

endocrine 3. pancreas, pituitary gland

respiratory 4. trachea, bronchi, lungs

integumentary 5. epidermis, dermis, cutaneous sense organs

reproductive 6. testis, prostate

digestive 7. liver, large intestine, rectum

urinary 8. kidneys, ureter, urethra

3. Name the cells that are produced by the testes and ovaries. males produce sperm cells and female produce egg
4. List the four primary tissue types. muscle, nervous, connective, epithelial
5. Explain why an artery is an organ. arteries are made up of different types of tissue and their purpose is to ~~relax~~ constrict or dilate depending on bodily needs
6. Name the two main organ systems that communicate within the body to maintain homeostasis. Briefly explain their different control mechanisms. Nervous System - sensory and responses throughout the body by nerve cells. can control both voluntary and involuntary movements. Endocrine - long term signaling from glands to target organs through hormones.
7. Explain the role that the skeletal system plays in facilitating cardiovascular system function. Production of white and red blood cells in bone marrow
8. **+** Untreated diabetes mellitus can lead to a condition in which the blood is more acidic than normal. Name two organ systems that play the largest role in compensating for acid-base imbalances. Respiratory system & urinary system.
9. **+** The mother of a child scheduled to receive a thymectomy (removal of the thymus gland) asks you whether there will be any side effects from the removal of the gland. Which two organ systems would you mention in your explanation? Lymphatic system and endocrine system
10. **+** Individuals with asplenia are missing their spleen or have a spleen that doesn't function well. It is recommended that these patients talk to their doctor about vaccines that are indicated for their health condition. Explain how this recommendation correlates to their chronic health condition. It is involved in an immune response and removes blood cells. vaccines allow for a stronger response in those who may be immunocompromised.