

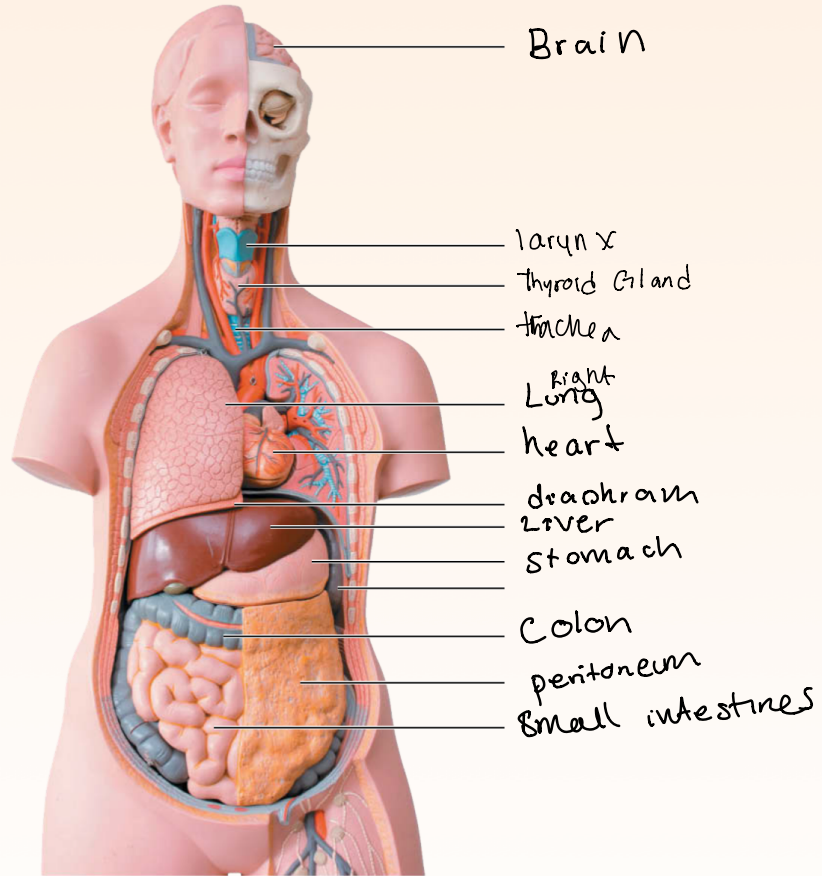
2 REVIEW SHEET

EXERCISE Organ Systems Overview

Instructors may assign a portion of the Review Sheet questions using **Mastering A&P™**

Name _____ Lab Time/Date _____

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.

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|--------------------|--------------------------------------|-----------------------|----------------------------------------------|
| <u>Lymphatic</u> | 1. thymus, spleen, lymphatic vessels | <u>Integumentary</u> | 5. epidermis, dermis, cutaneous sense organs |
| <u>Skeletal</u> | 2. bones, cartilages, tendons | <u>Reproductive</u> | 6. testis, prostate |
| <u>Endocrine</u> | 3. pancreas, pituitary gland | <u>Digestive</u> | 7. liver, large intestine, rectum |
| <u>Respiratory</u> | 4. trachea, bronchi, lungs | <u>Urinary system</u> | 8. kidneys, ureter, urethra |

3. Name the cells that are produced by the testes and ovaries. Gametes are the cells produced by the reproductive organs. In testes it is sperm and ovaries it is ova
4. List the four primary tissue types. Connective tissue, epithelial tissue, muscle tissue, nervous tissue
5. Explain why an artery is an organ. An artery is made up of several types of tissues, and since organs are defined as a collection of tissues; an artery is an organ
6. Name the two main organ systems that communicate within the body to maintain homeostasis. Briefly explain their different control mechanisms. The two main organism that help with communication to maintain homeostasis are the nervous system and endocrine system.
7. Explain the role that the skeletal system plays in facilitating cardiovascular system function. Bone marrow creates red and white blood cells. Red blood cells carry oxygen through the cardiovascular system
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 and renal system play major role for acid-base balance
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? I would mention the lymphatic 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. The spleen helps filter blood and helps in the immune system. Vaccines would help the weakened immune system