

2 EXERCISE

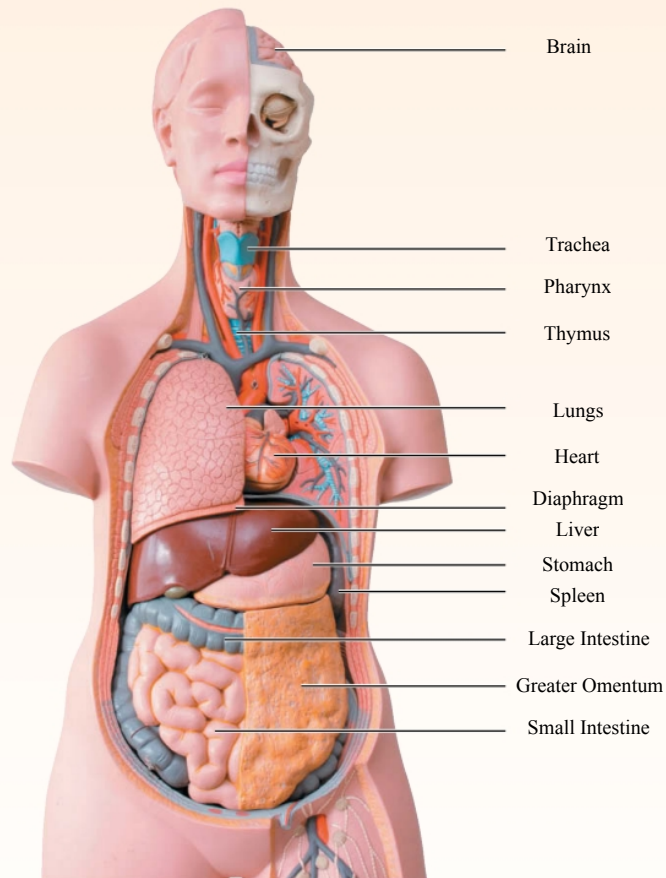
REVIEW SHEET

Organ Systems Overview

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




Name Trevor Wright 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</u> | 8. kidneys, ureter, urethra |

3. Name the cells that are produced by the testes and ovaries. Sperm Cells
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4. List the four primary tissue types. Connective tissue, epithelial tissue, muscle tissue, and nervous tissue
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5. Explain why an artery is an organ. An artery is a collection of tissues that contributes with other organs to a function of the body.
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6. Name the two main organ systems that communicate within the body to maintain homeostasis. Briefly explain their different control mechanisms. Endocrine System- secretes chemical messages in the body, employs the negative and positive feedback loops that further causes response to the target effector organs
- Nervous System- consist of receptors that receive signals from the environment and convert them to electrical impulse in nerve cells, it travels to the brain, where the brain (control centre) analyses the information and stimulates the relevant glands in the endocrine system
7. Explain the role that the skeletal system plays in facilitating cardiovascular system function. The skeletal system protects the cardiovascular organs. It creates red blood cells which the circulatory system transports.
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. The respiratory and renal systems.
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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.
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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. _____
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