

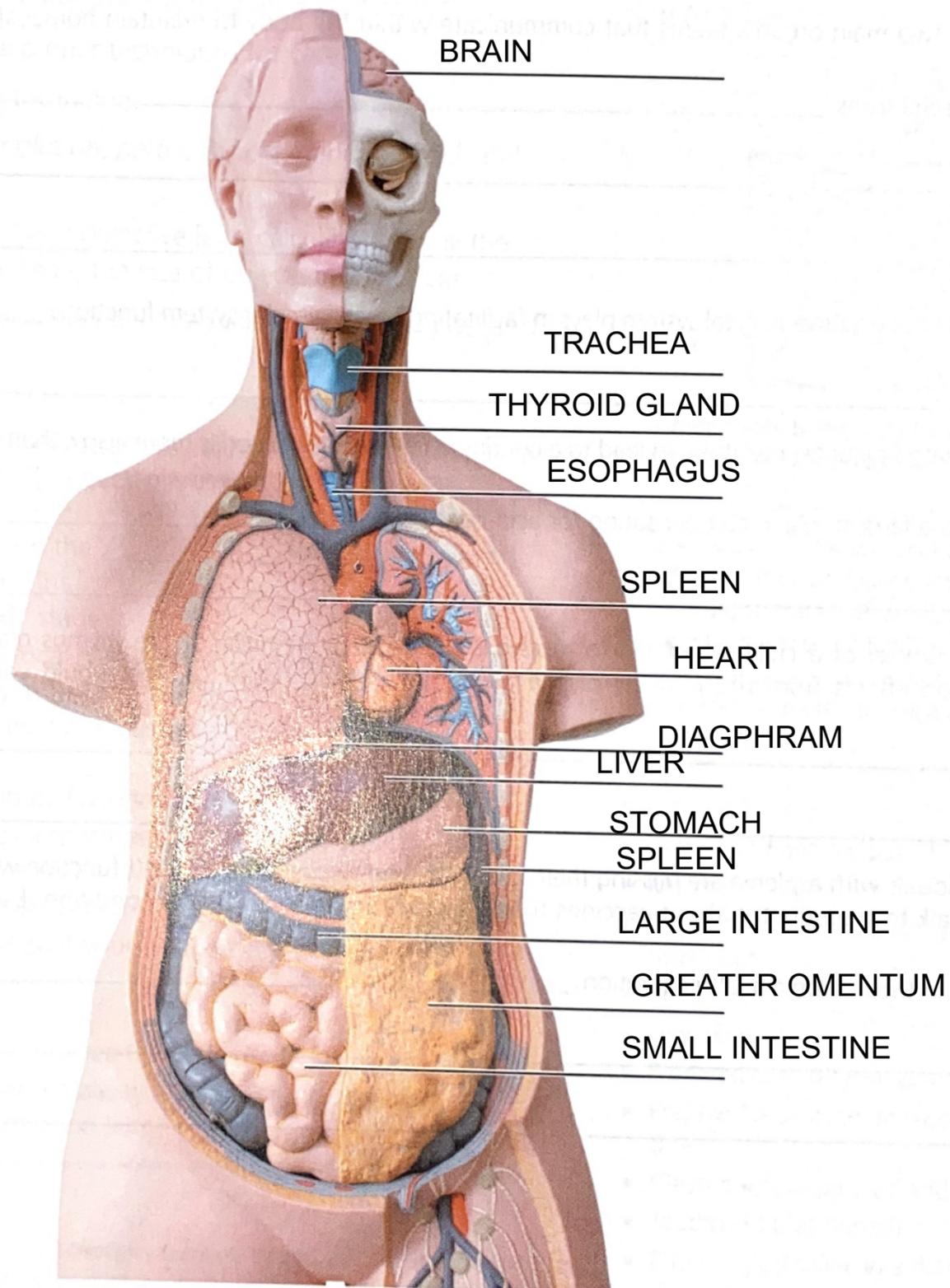
# REVIEW SHEET

EXERCISE

## Organ Systems Overview

Name Matthew Palala Lab Time/Date 6:00 PM/2/17/2021

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. SPERM CELLS
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4. List the four primary tissue types. MUSCLE TISSUE, CONNECTIVE TISSUE, NERVOUS TISSUE, EPITHELIAL TISSUE
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5. Explain why an artery is an organ. AN ARTERY IS AN ORGAN BECAUSE ARTERIES ARE MADE UP OF SEVERAL TYPES OF TISSUE; AND ORGANS ARE MADE UP TISSUES.
6. Name the two main organ systems that communicate within the body to maintain homeostasis. Briefly explain their different control mechanisms. 1) NERVOUS SYSTEM- HAVE RECEPTORS THAT RECIEVE SIGNALS FROM THE ENVIONRMENT WHICH TURNS INTO ELECTRICAL IMPULSES. 2) ENDOCRINE SYSTEM- SCRETE HORMONES INTO THE BLOOD STREAM TO MAINTAIN HOMEOSTATIS
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7. Explain the role that the skeletal system plays in facilitating cardiovascular system function. THE SKELETAL SYSTEM CREATES RED BLOOD CELLS WHICH THEN THE CICULATORY SYSTEM TRANSPORTS
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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 URINARY 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? LYMPHATIC AND ENDOCRINE SYSTEMS
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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. INDIVIDUALS WITH ASPLENIA HAVE MAY LITTLE TO NONE SPLENIC FILTRATION SYSTEMS AND DECREASED AMOUNT OF ANTIBODIES CAUSING INFECTION
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