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Review sheet Exercise 2°

Organ Systems overview

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

- Brain
- Pharynx
- larynx
- trachea
- lung
- heart
- Pleura
- liver
- Stomach
- Spleen
- large intestine
- Small intestine

② Name the organ system to which each of the following sets of organs of 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



Male 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 is produced by the testes and ovaries produce egg cells.

④ List the four primary tissue types: Connective tissue, Muscle tissue, Epithelial tissue, nervous tissue

⑤ Explain why an artery is an organ: An artery is made up of multiple tissues. organs are ~~made~~ made up of multiple tissue

⑥ Name the 2 main organ systems that communicate ~~within~~ within the body to maintain homeostasis. Briefly explain their different control mechanisms

Endocrine - regulated by Negative feedback

Central Nervous System - takes info through senses, processes the info and ~~the~~ triggers the reaction ~~the~~ reflexes

⑦ explain the role that the skeletal ~~system~~ system plays in facilitating Cardiovascular System function. Through the skeletal muscle pump, the skeletal system produces RBC at the

distal ~~end~~ ends of the bone and it also serves as protection to the heart.

⑧ Untreated diabetes mellitus can lead to a condition in which the blood is more acidic than normal. Name 2 organ systems that play the largest role in compensating for acid-base imbalances. Respiratory and Urinary →

(a) The mother of a child ~~is~~ 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 2 organ systems would you mention in your explanation?  
Lymphatic and endocrine

(b) 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 ~~long~~ health condition.  
People with asplenia have a decreased splenic filtration system and a decreased amount of antibody, placing them at infection