

ANSWER ORGAN SYSTEMS STUDY GUIDE Key

NAME _____

TEST DATE _____

Circulatory System

- a. Purpose
 - blood circulation
 - transports nutrients
- b. Function
 - gets rid of waste
- c. Organs
 heart, blood vessels
 (lungs)

Respiratory System

- a. Purpose
 - removes CO₂
 - adds O₂
- b. Function
 - exchange of gases
- c. Organs
 lungs, nose, diaphragm
 (heart)

Digestive System

- a. Purpose
 - takes food & breaks it down into nutrients that can be absorbed
- b. Function
- c. Organs
 mouth, esophagus, stomach, intestines, liver

Excretory System

- a. Purpose
 - removes wastes
- b. Function
 - controls blood (removes waste)
- regulates body fluids
- c. Organs
 kidneys, bladder
 liver

Integumentary System

- a. Purpose
 1st line of defense against
 helps maintain body temperature
 keeps fluid inside
- b. Function
- c. Organs
 skin, nails, hair
 sweat glands

Skeletal System

- a. Purpose
 protect internal organs
- b. Function
 Body Support
 help movement
- c. Organs
 bones, ligaments

Muscular System

- a. Purpose
 • helps you move
 - posture
 - internal organs
- b. Function - heart contraction
 • moves materials through body
 - food through digestive system
- c. Organs
 skeletal, cardiac, smooth

Nervous System

- a. Purpose
 controls all body's functions
 senses / recognizes information
- b. Function
 from inside & outside of the body
- c. Organs
 brain, nerves, spinal cord

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<u>Endocrine System</u>	<u>Immune System</u>
<p>a. Purpose makes chemical messages that regulate conditions inside the body</p> <p>b. Function helps w/ growth & development</p> <p>c. Organs hypothalamus pancreas, pituitary, thyroid</p>	<p>a. Purpose fights off disease</p> <p>b. Function</p> <p>c. Organs lymph. system, white blood cells, skin, bone marrow, mucus membrane</p>

1. Which two systems work together to help us move?

skeletal / muscular

2. What are three functions of the bones besides movement?

- produce blood - provide support
- protect organs

3. Which system does the digestive system work with to remove waste from the body?

(solid) muscular / excretory (liquid)

4. What is the purpose of the digestive system?

takes in food and ~~breaks~~ break food down into nutrients that can be absorbed

5. Why do the circulatory and respiratory systems work together?

respiratory brings in O₂, circulatory transports it to body & removes CO₂, and respiratory then expels CO₂

6. What is the purpose of your immune system?

fight off infection / disease

7. Which system helps us keep our temperature stable?

nervous / integumentary / circulatory

8. Which two systems work together to prevent water loss in the body?

integumentary / nervous

9. Which two systems work together to get nutrients to the organs?

digestive / circulatory

10. Describe the journey that oxygen takes through the body. Include at least 3 organ systems that are involved in moving oxygen through the body.

O₂ brought in through respiratory system, delivered to body by circulatory system, used by all cells in all systems

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