

## **Body Systems Worksheet**

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Part 1: Building a Foundation	
Which of the following is NOT a company of the sixeulatory system?	
Which of the following is NOT a component of the circulatory system?	
Hint: Think about the main organs and substances involved in circulation.	
A) Heart	
○ B) Lungs	
C) Blood	
O) Blood vessels	
Which of the following are functions of the skeletal system? (Select all that apply)	
Hint: Consider the roles of bones and joints in the body.	
A) Protects internal organs	
B) Produces hormones	
C) Enables movement	
D) Transports oxygen	
List the main components of the nervous system and briefly describe their primary function.	
Hint: Think about the brain, spinal cord, and nerves.	

Identify and describe two key functions of the respiratory system.



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Hint: Consider gas exchange and breathing.	
1. Function 1	
2. Function 2	
Which system is primarily responsible for hormone production and regulation?	
Hint: Think about the glands in the body.	
○ A) Nervous system	
○ B) Endocrine system	
C) DigestIVE system	
O) Integumentary system	
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Describe how the digestive system adapts when a person consumes a high-protein diet.



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Hint: Consider changes in digestion and metabolism.
Which of the following best describes the relationship between the endocrine and nervous systems?
Hint: Think about how these systems communicate.
○ A) They operate independently of each other.
B) The nervous system controls the endocrine system through electrical signals.
C) The endocrine system controls the nervous system through chemical signals.
O) They both use blood to transport signals.
Analyze the role of the integumentary system in homeostasis. Which of the following are true? (Select all that apply)
Hint: Consider the functions of skin and related structures.
A) Regulates body temperature
B) Produces red blood cells
C) Acts as a barrier to pathogens
D) Synthesizes vitamin D
Part 3: Evaluation and Creation
Which of the following scenarios would most likely result in a compromised immune system?
Hint: Think about lifestyle factors that affect health.
A) Regular exercise and a balanced diet      B) Chronic stress and lock of class.
<ul><li>B) Chronic stress and lack of sleep</li><li>C) Adequate hydration and rest</li></ul>
D) Consistent exposure to sunlight

Evaluate the impact of smoking on the respiratory and circulatory systems. Which of the following are potential consequences? (Select all that apply)



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Hint: Consider the effects of tobacco on health.	
A) Reduced lung capacity	
B) Increased blood pressure	
C) Enhanced oxygen transport	
D) Decreased risk of infections	
	least three different hody systems. Explain how
Design a daily routine that promotes the health of at each activity benefits the respective system.	odet anot uniordin body byotome. Explain non
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