

Human Body Systems: Block-Builders Construction

Grade 5

science

block-builders

Students will understand how human body systems work together like block-builders constructing structures

Name: _____

Date: _____

1. Block-builders use bones to build structures. What do bones do in the human body?

2. Block-builders stack blocks. Name one job your heart does as a body block-builder.

3. Explain how muscles and bones work together like block-builders constructing a building.

4. Block-builders need energy to work. Describe how the digestive system provides energy.

5. Block-builders' brains plan buildings. What system controls all body functions like a master plan?

6. Block-builders need oxygen to stay healthy. Explain why the respiratory system is essential.

7. How do the circulatory and respiratory systems work together in block-builders' bodies?

8. Block-builders need all systems working together. Explain why no single body system alone keeps you alive.

Answer Key: Human Body Systems: Block-Builders Construction

Grade 5 | TEACHER/PARENT USE ONLY

Use building blocks or LEGO as manipulatives to represent different body systems working together during discussion.

1. Block-builders use bones to build structures. What do bones do in the human body?
Answer: Bones provide structure and support for the body, like a building frame.
2. Block-builders stack blocks. Name one job your heart does as a body block-builder.
Answer: The heart pumps blood throughout the body to deliver oxygen and nutrients.
3. Explain how muscles and bones work together like block-builders constructing a building.
Answer: Bones are the structure (blocks), and muscles are the workers that move the structure by pulling on bones.
4. Block-builders need energy to work. Describe how the digestive system provides energy.
Answer: The digestive system breaks down food into nutrients that cells use for energy and growth.
5. Block-builders' brains plan buildings. What system controls all body functions like a master plan?
Answer: The nervous system controls all body functions by sending messages from the brain.
6. Block-builders need oxygen to stay healthy. Explain why the respiratory system is essential.
Answer: The lungs take in oxygen which enters the blood. Oxygen fuels cells so the body can function and move.
7. How do the circulatory and respiratory systems work together in block-builders' bodies?
Answer: Lungs get oxygen from air; the heart pumps oxygen-rich blood to all body cells for energy and growth.
8. Block-builders need all systems working together. Explain why no single body system alone keeps you alive.
Answer: Body systems depend on each other: lungs provide oxygen, heart delivers it, muscles use it, nerves control all of it.