

GRADE 7
5a

Structure and Function in Living Systems

The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

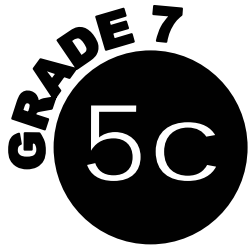
Students know plants and animals have levels of organization for structure and function, including cells, tissues, organs, organ systems, and the whole organism.



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The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

Students know organ systems function because of the contributions of individual organs, tissues, and cells. The failure of any part can affect the entire system.



Structure and Function in Living Systems

The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

Students know how bones and muscles work together to provide a structural framework for movement.

GRADE 7

5d

Structure and Function in Living Systems

The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

Students know how the reproductive organs of the human female and male generate eggs and sperm and how sexual activity may lead to fertilization and pregnancy.



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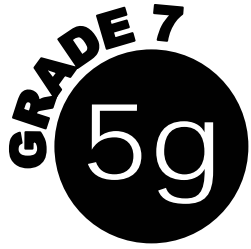
Students know the function of the umbilicus and placenta during pregnancy.



Structure and Function in Living Systems

The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

Students know the structures and processes by which flowering plants generate pollen, ovules, seeds, and fruit.



Structure and Function in Living Systems

The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:

Students know how to relate the structures of the eye and ear to their functions.