

# Structure and Function

① Describe the

Phenomenon

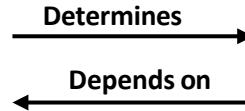
**Structure**

② Draw and label the structure.

**Function**

③ Describe the function.

④ Describe the process that connects the structure and function using the following words.



In grades 6-8 students recognize that:

- Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the shapes, composition, and relationships among its parts; therefore, complex natural and designed structures/systems can be analyzed to determine how they function.
- Structures can be designed to serve particular functions by taking into account properties of different materials, and how materials can be shaped and used.

# Structure and Function

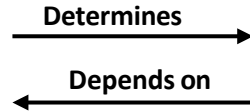
① Describe the

Phenomenon

**Structure**

② Draw and label the structure.

④ Describe the process that connects the structure and function using the following words.



**Function**

③ Describe the function.

In grades 9-12 students recognize that:

- Investigating or designing new systems or structures requires a detailed examination of the properties of different materials, the structures of different components, and connections of components to reveal its function and/or solve a problem.
- \*The functions and properties of natural and designed objects and systems can be inferred from their overall structure, the way their components are shaped and used, and the molecular substructures of its various materials.