

CLASSIFYING STRUCTURES

A structure is designed to perform a specific function, whether it is a human-made structure, or a natural structure. All structures are designed to resist the forces that act on them.

Structures can be classified by its function, how it was built, and into 3 distinct categories: solid structures, frame structures, and shell structures.

Solid Structures

Frame Structures

Shell Structures





Combination Structures

CLASSIFYING STRUCTURES

Function of Structures

The functions of structures are to _____ (ex: a helmet), to _____ (ex: your skeleton supports your body weight and keeps you upright), to _____ (ex: water bottle), and to _____ (ex: a ladder).

Look at the pictures below and identify the different functions of a structure that each one represents.

protect	span	support	contain
			
_____	_____	_____	_____

Connect the explanation of a structure to the type of structure:

This gives protection from the outside and also acts as a container.	●	Solid Structures
These structures are made up of different parts joined together to give support.	●	Shell Structures
These structures can support heavy loads and have no spaces between them.	●	Frame Structures