

STRUCTURES

Name and surname:

Class: Date:

Complete the definition:

A structure is a set ofthat resists the effects of thethat act on it.

Activity-1: Identify the images into: natural or artificial (human made)

Tree



Bridge



tower crane



car



house



turtle shell



mountain



computer



electric tower



human skeleton



Activity 2.- Identify the main function of the following structures:

- Support weights.
- Give shape.
- Protect internal parts.
- Resist external forces.

A chair



Skeleton



A dam



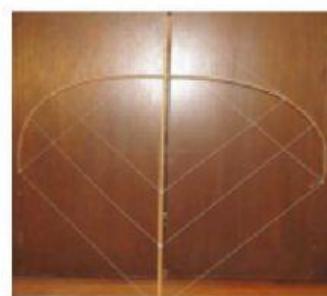
Phone case



A crane



Kite frame



Activity 3.- Identify the type of structure: shell, frame, massive, triangular, suspended or triangular:

Pyramids



Empire State Building



Golden Gate Bridge



External part of Statue of Liberty



Eiffel Tower



Burj Khalifa



Paris Arch of Triumph



Moais of Eastern Island



External part of Christ Redeemer



Activity 4.- Join each part of the structures with its translation and later place them in the right place:

Cimientos

Beam

Viga

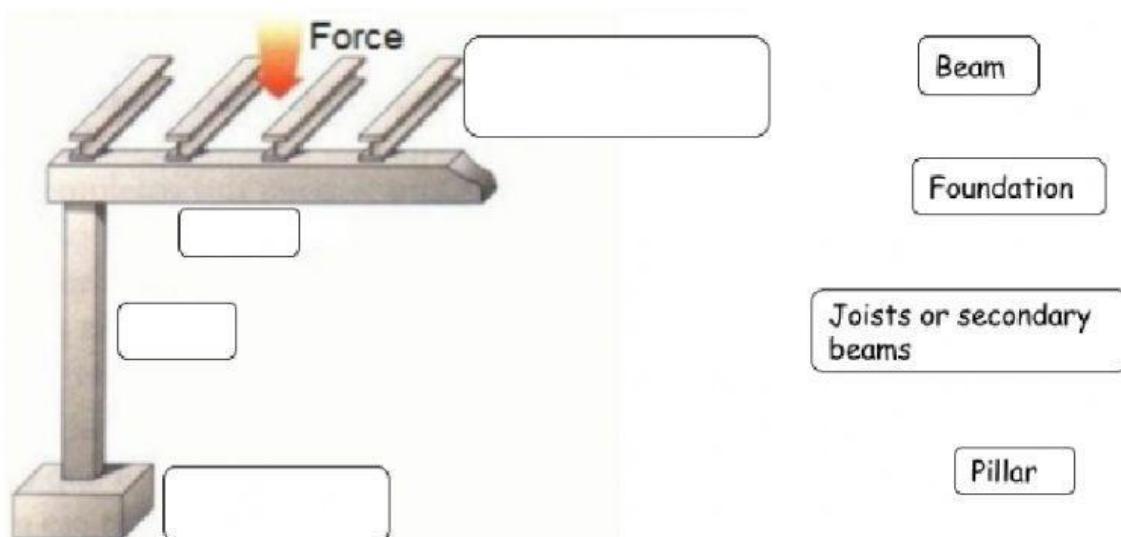
Foundations

Pilar

Joists or secondary beams

Viguetas o vigas secundarias

Pillar



Activity 5.- Join each name of the basic elements of a structure with its translation and later identify them and place the name in English below each image:

Tirantes

Arches

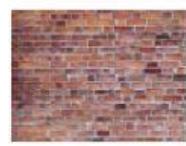
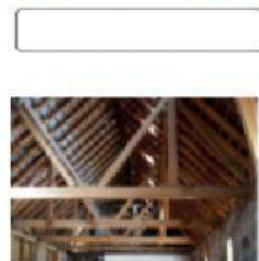


Muros

Profiles

Perfiles

Beams



Pilares

Cables

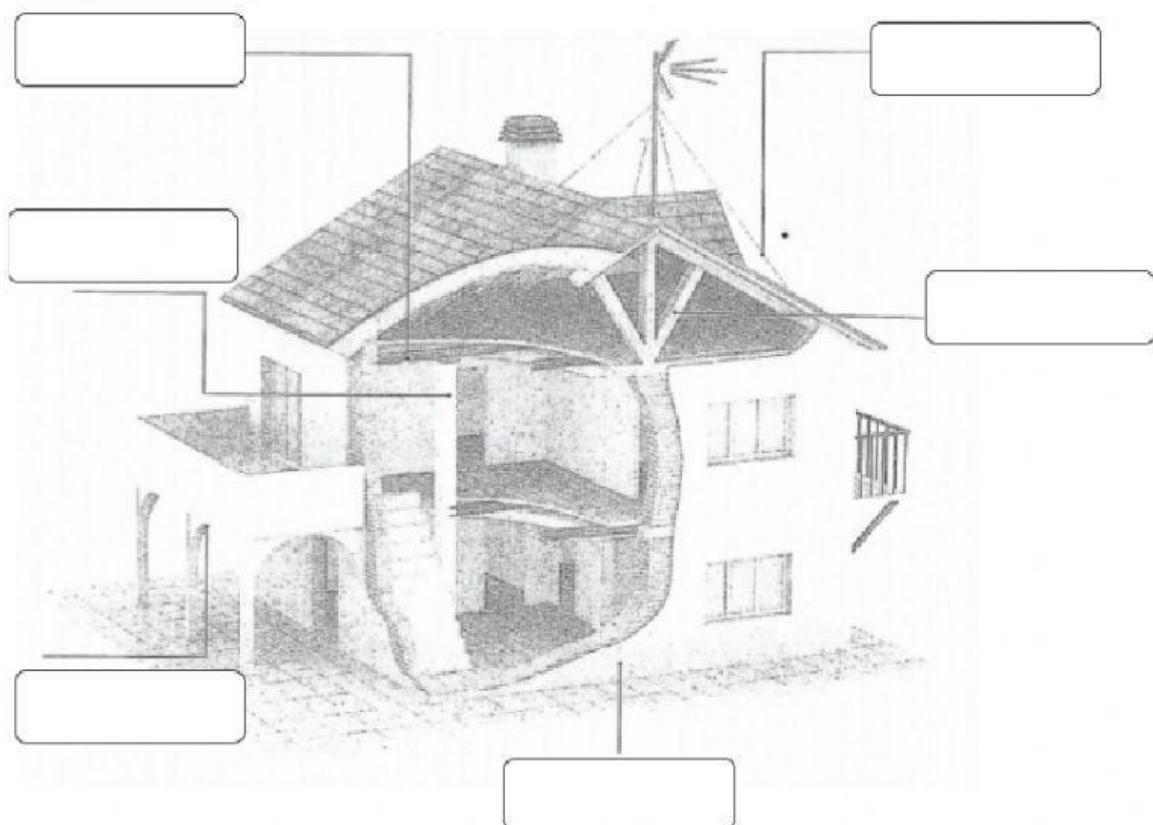
Arcos

Walls

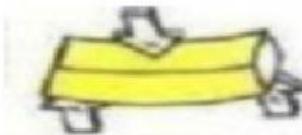
Vigas

Pillars

Activity 6.- Identify each of the basic elements of a structure from the previous activity in this image:



Activity 7.- Identify each type of stress:



Activity 8.- What type of stress is in each of this images?

