

STRUCTURES

Name and surname:

Class:

Date:

Complete the definition:

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

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

Tree



house



mountain



Bridge



turtle shell



computer



tower crane



electric tower



car



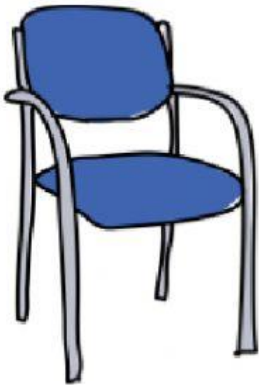
human skeleton



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

Viga

Pilar

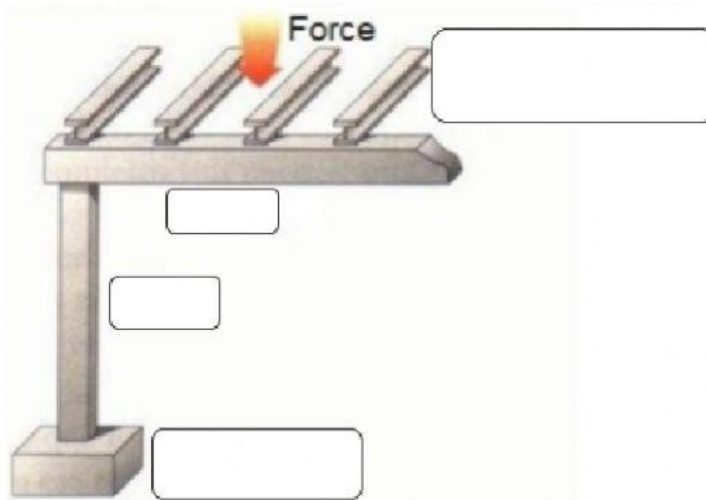
Viguetas o vigas secundarias

Beam

Foundations

Joists or secondary beams

Pillar









Beam

Foundation

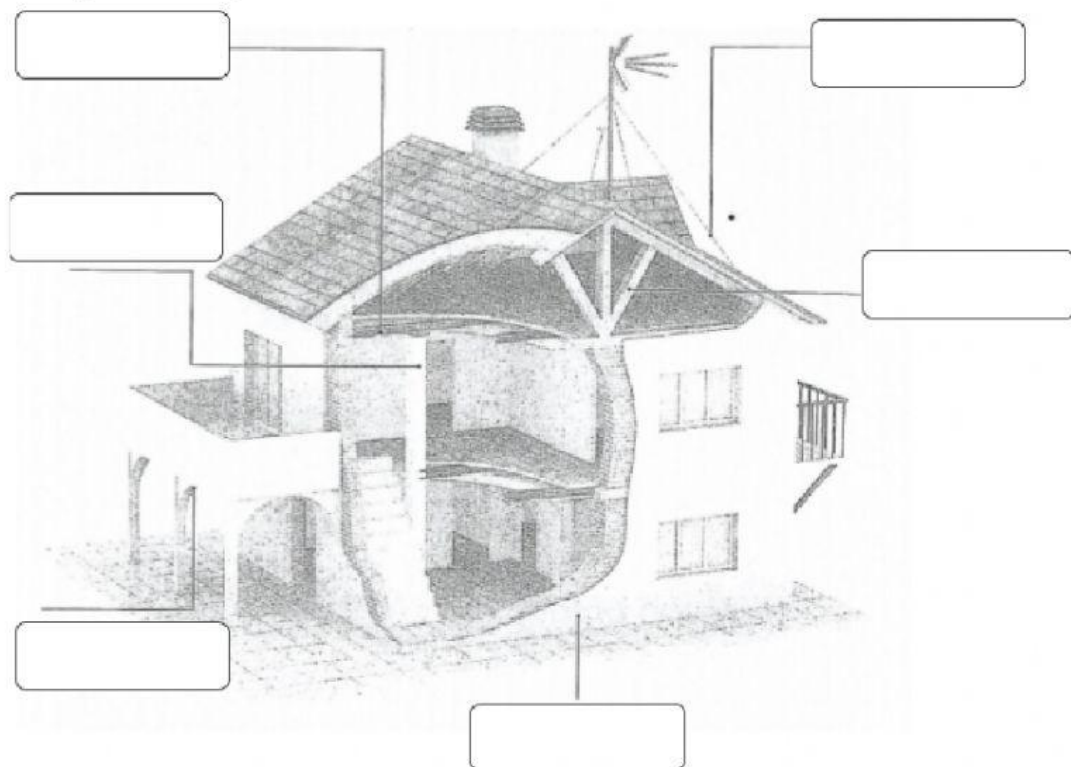
Joists or secondary beams

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 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Perfiles | Beams |  |  |  |
| Pilares | Cables | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 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?

