

# Structures – 2º ESO (Bilingual)

## Part 1: Vocabulary

Match the words with their definitions.

- 1 1. Beam
- 2 2. Load
- 3 3. Structure
- 4 4. Stability
- 5 5. Resistance
- 6 A. The ability to support weight without collapsing
- 7 B. Something that carries weight
- 8 C. A horizontal element that supports weight
- 9 D. A construction made of different parts
- 10 E. The ability to remain firm and balanced

## Part 2: Types of Structures

- 1 1. A structure made with beams and columns: \_\_\_\_\_
- 2 2. A solid structure made by piling material: \_\_\_\_\_
- 3 3. A thin structure that encloses space: \_\_\_\_\_
- 4 4. A skyscraper is usually a: \_\_\_\_\_
- 5 5. An egg is an example of: \_\_\_\_\_

## Part 3: Forces & Efforts

- 1 1. Stretching a rope: \_\_\_\_\_
- 2 2. Pressing a column: \_\_\_\_\_
- 3 3. Twisting a bar: \_\_\_\_\_
- 4 4. A beam curving: \_\_\_\_\_
- 5 5. Cutting force: \_\_\_\_\_

## Part 4: True or False

- 1 1. A bridge is not a structure: \_\_\_\_\_
- 2 2. Structures must resist forces: \_\_\_\_\_
- 3 3. A chair is a structure: \_\_\_\_\_
- 4 4. Stability means movement: \_\_\_\_\_
- 5 5. All structures are the same material: \_\_\_\_\_

## Part 5: Multiple Choice

- 1 1. Function of a structure: a) look nice b) support loads c) move objects
- 2 2. NOT a structure: a) bridge b) table c) cloud
- 3 3. Load means: a) decoration b) weight c) material
- 4 4. More stable: a) tower b) pyramid c) rope
- 5 5. Engineers design: a) weak b) strong c) expensive

## Part 6: Reading

- 1 Read: Structures are everywhere around us...
- 2 1. Example: \_\_\_\_\_
- 3 2. Another example: \_\_\_\_\_
- 4 3. Function: \_\_\_\_\_
- 5 4. What must they resist: \_\_\_\_\_
- 6 5. Who designs them: \_\_\_\_\_

## Final Challenge

A good structure must be: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_