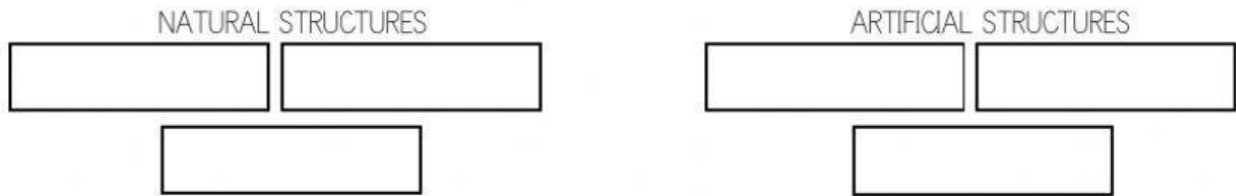


NATURAL SCIENCE TEST. UNIT 7: Structures and machines

1. a) What is a structure?

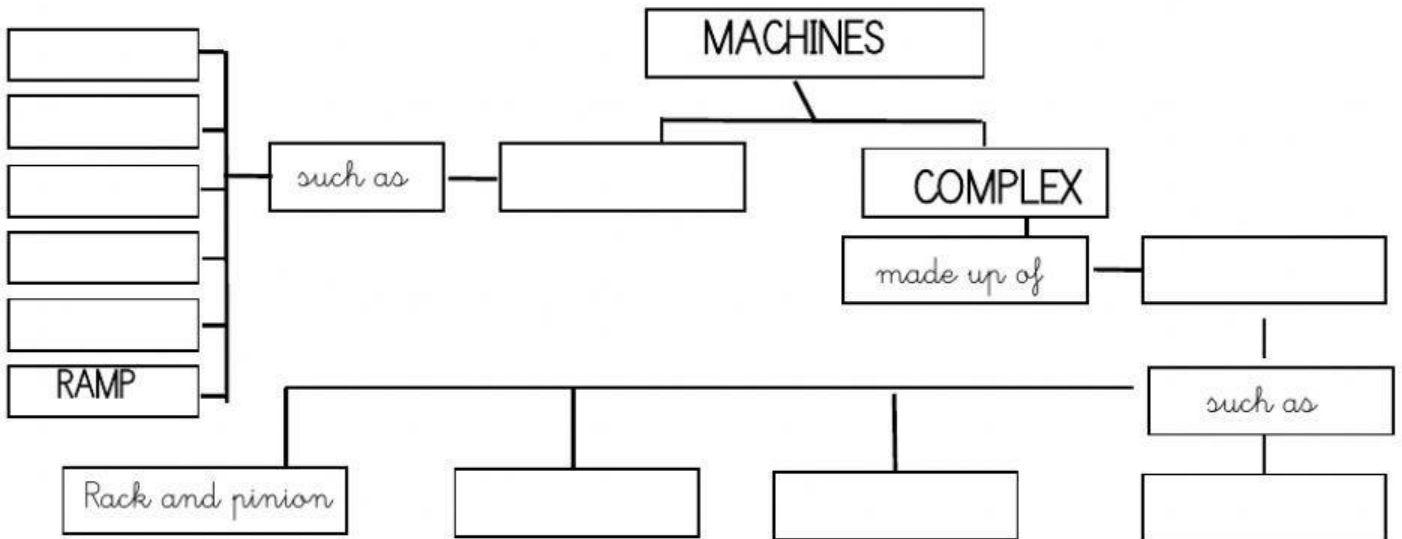
- A _____ of elements which can support _____.
- It can _____ the objects and machines that it is made for

b) Classify the followings structures: SKIELETON, BRIDGE, EGG, TABLE, SHELF, BRANCHES

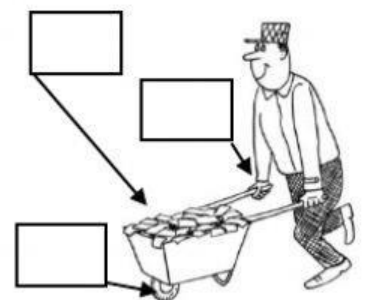
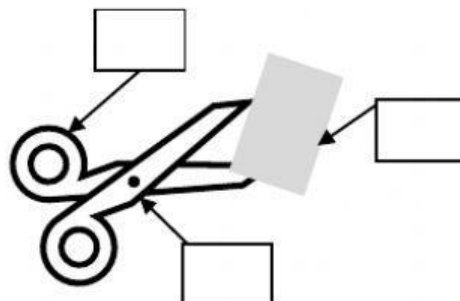
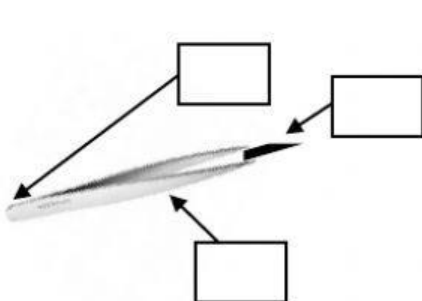


2. Complete the following table on the classification of machines.

CRANK, PULLEY, SIMPLE, SCREW, COGS, LEVER, WEDGE, MECHANISMS, COGS AND CHAIN



3. Indicate the **FORCE (F)**, the **LOAD (L)**, the **FULCRUM (F_u)** and the **TYPE OF LEVER** in each picture.



LEVER _____ CLASS

LEVER_____CLASS

LEVER _____ CLASS

NATURAL SCIENCE TEST. UNIT 7: Structures and machines

4. Name the following machines and match the pictures with their definitions.



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A **RAMP** that allows you to move objects with less force.

A **WHEEL** with a groove that works as a guide for rope. It allows you to lift objects more easily.

An **inclined plane** where you add force to **separate** two objects.

An **inclined plane** that is attached to an axis. It is used to **unite and fix** pieces together.

5. Name the mechanical components used in these picture..

