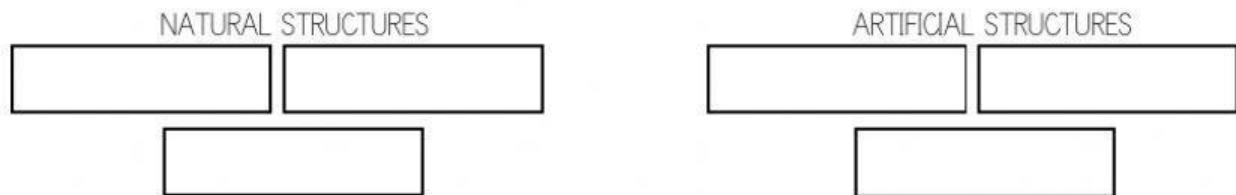


NATURAL SCIENCE TEST. UNIT 7: Structures and machines

1. a) What is a structure?

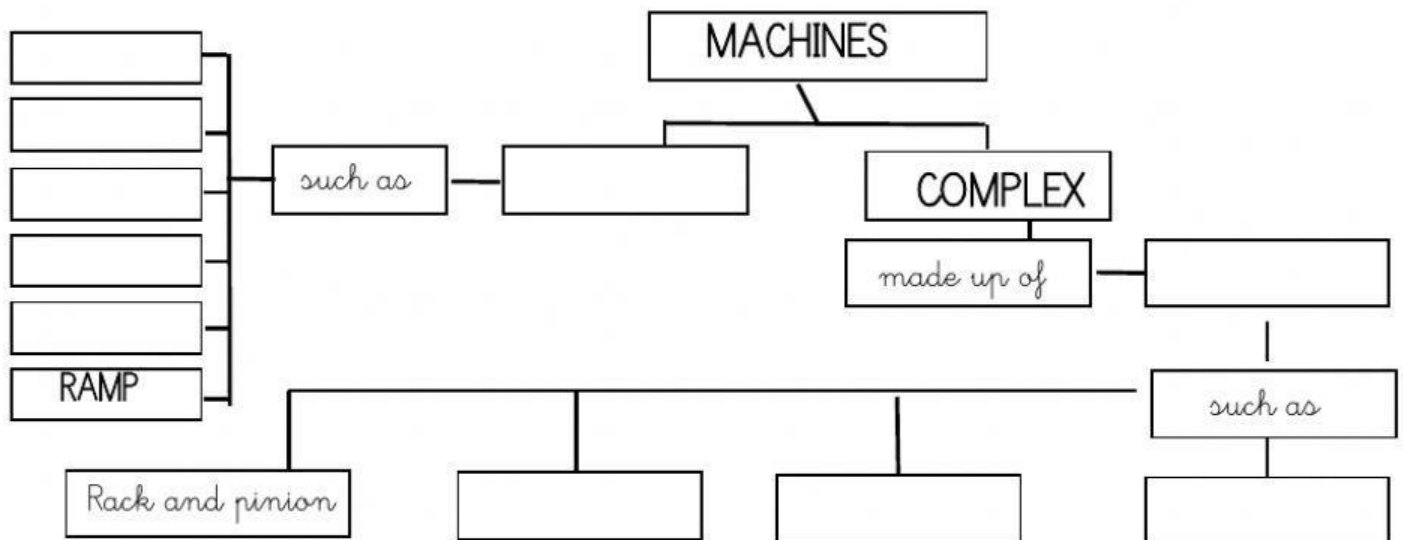
- A _____ of elements which can support _____.
- It can _____ the objects and machines that it is made for.

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

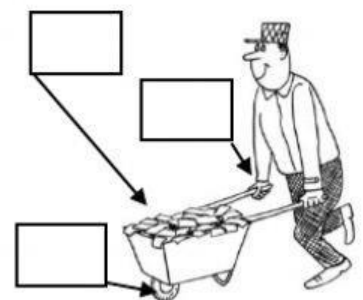
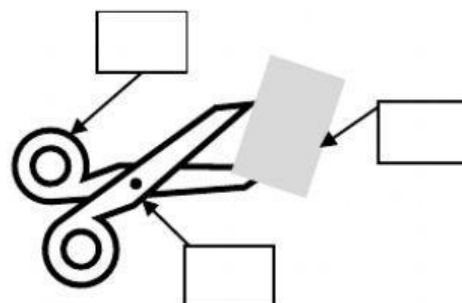
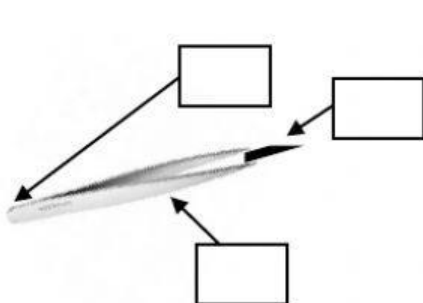


2. Complete the following table on the classification of machines.

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



3. Indicate the FORCE (F), the LOAD (L), the FULCRUM (F_w) 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.



•



•



•



•

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..

