NAME: _____ **List No.**_____

1. What are the elements most structures have? Tick the answer.

__ Groove, wheel and rope.

__ Girders, pillars and load

__ Force, fulcrum and load.

2. Choose TRUE or FALSE.

The rectangle is a very strong shape. _____

A ramp is an example of an inclined plane. _____

A bicycle is a complex machine. _____

3. Match the terms with the correct definition and example.

Manual energy	Energy obtained by burning fuel.
Electrical energy	Energy from humans or animals.
Thermal energy	Energy obtained from electricity.

Microwave

Helicopter

Scooter

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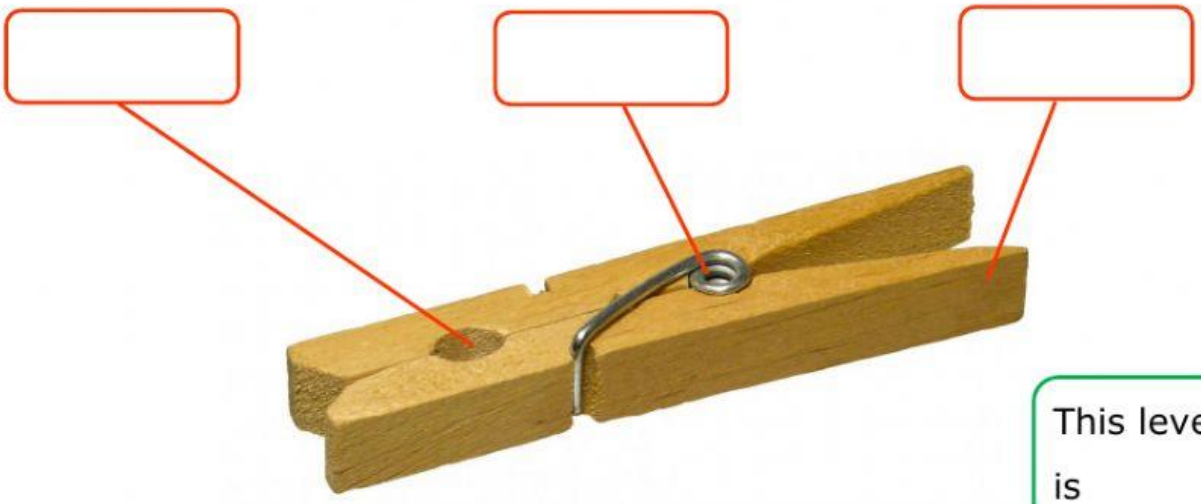
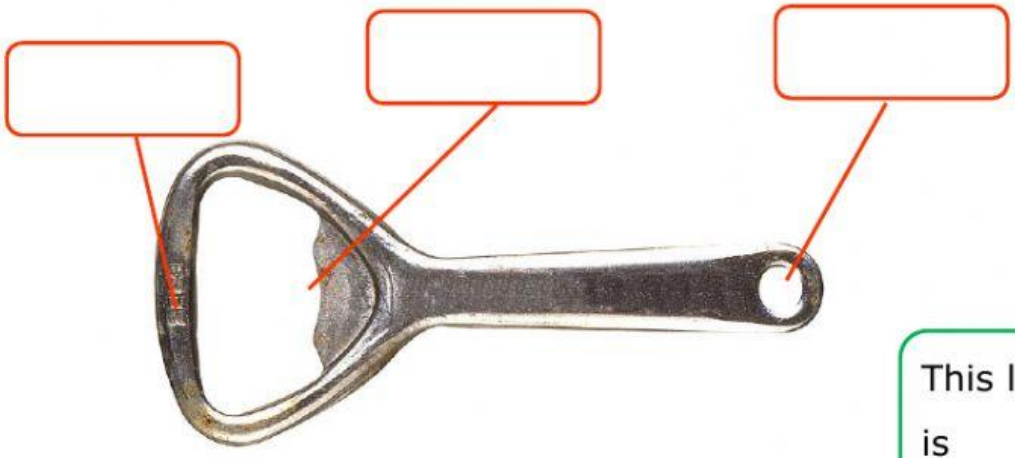
4. Label the pictures and classify the levers.

This lever is



This lever is



This lever is

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5. Place each term on the corresponding definition.

Structure Lever Pulley Inclined plane

_____: It transmits the force applied along a bar which moves up and down the load.

_____: It lets us slide (move) objects using less effort.

_____: It lifts the load thanks to a wheel that changes the direction of the force.

_____: A group of elements that can support weight or a load.

6. Answer these questions about past and present inventions.

a) In your opinion, what invention has had the most impact on human society? Please, explain why did you choose this invention.

_____

_____

b) Can you explain something interest about that invention (example, the person who invented it, explain what it is used for, or if it has changed along history)?

_____

_____

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