

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.



Microwave

Electrical energy

Energy from humans or animals.



Helicopter

Thermal energy

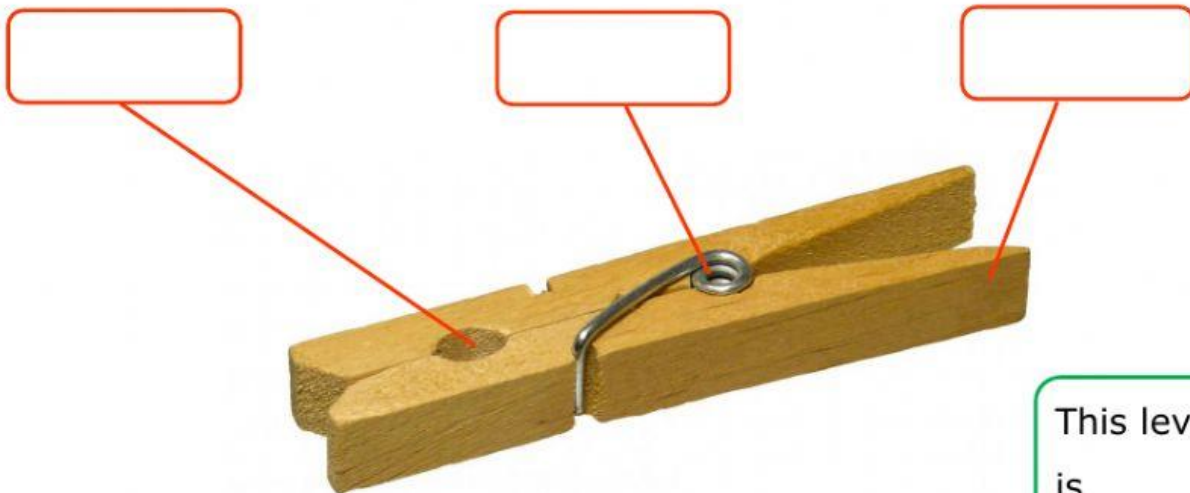
Energy obtained from electricity.



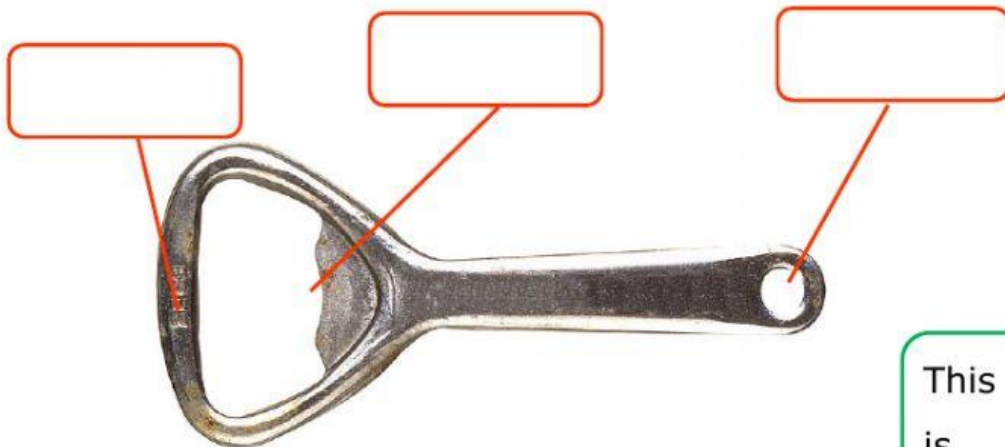
Scooter

4. Label the pictures and classify the levers.

This lever  
is



This lever  
is



This lever  
is

**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.

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**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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