



GUÍA DE TRABAJO
CURSO: 4º
ASIGNATURA: Natural Science

EXPLICACIÓN:

Responde a todos los ejercicios con minúsculas, revisa las palabras, una falta de ortografía puede hacer que no se cuente bien la respuesta. Lo vas a hacer genial ¡ánimo!

EJERCICIOS:

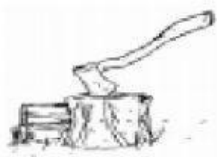
1. Match the words and definitions.

Simple Machines

The six types of simple machines are:

- inclined plane
- wedge
- screw
- lever
- pulley
- wheel and axle

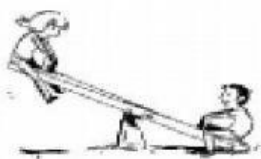
1.



An ax is used to chop wood. The metal part chops through the wood, pushing it apart into two smaller sections.

Which simple machine is found on the head of this ax? _____

2.



The center of this seesaw is used to balance the board with the seats. The children can easily move up and down without much force.

The seesaw is an example of which simple machine? _____

3.



The cap on this water bottle has a spiral shape. When you place it on the bottle and twist, the cap pulls itself toward the bottle.

The bottle cap is an example of which simple machine? _____



4.



When you turn the large knob on a door, a rod on the inside releases a latch that holds the door closed. It would be difficult to turn the rod, if the knob wasn't attached to it.

The door knob and rod make up which simple machine? _____

5.



A wheel with a rope is used to hoist a flag up to the top of a tall flagpole. This simple machine can also be used to help lift heavy objects with less force.

The wheel and rope make up which simple machine? _____

6.



A ramp is used for loading this truck. A mover can pull a cart with a heavy object up the ramp. This is much easier than lifting heavy objects into the truck.

Which simple machine is on the back of this truck? _____



Look at the photos and write which class of lever the objects are.



Class lever



Class lever



Class lever

Read and match.



people



water



sunlight



gas

☐ This energy source can be used to make engines function.

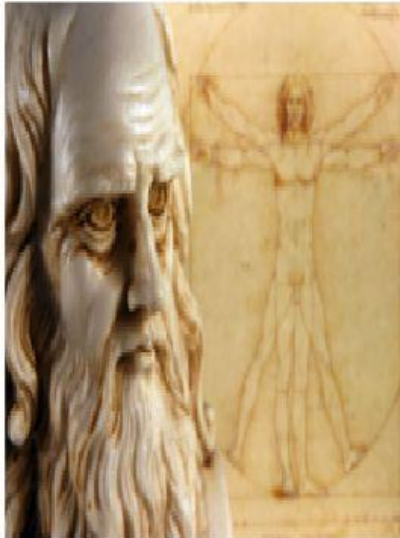
☐ This energy source requires a solar panel to convert it into electricity.

☐ This energy source is used for most simple machines and some complex machines.

☐ This energy source can generate electricity from movement.



Choose the correct words to complete the sentences.



- is known for his work on the laws of motion, optics and gravity.
- is known for his advances in electrical power and radio communication.
- invented a giant screw to transfer water from a low area to a higher area.
- designed hundreds of new machines like helicopters, parachutes and anemometers.
- created a new technology called 'frequency hop'. It was used for a secret communications system.



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