

NAME:

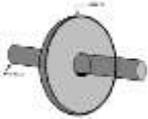
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## YOUR INVENTION FACT SHEET

In session 2 you have to think on the technical sheet of your machine. Read pages 126 and 127 of your Natural Science book to invent the technical sheet of your machine.

(Teacher's example)

- Energy source: solar panels that are connected to electric batteries (solar energy). Pedals for your legs (kinetic energy).
- Energy label efficiency: A++
- Function: mechanical
- Simple machines included:

- Wheel and axle  : three wheels for quick and agile mobility and one steering wheel for accessing to every room of the house.

- Screws  : for holding the different arms to the car body

- Pulleys: in the brakes there are pulleys

- Gears  : for the car engine

- Mechanical working



- Pedals are joined to an axle which is joined to a gear; gears are connected to a pulley that allows moving a wheel. When you move the pedal all kinetic energy is transformed in movement for the wheels.

- Technological advances
  - Easy housework: it allows picking up all type of items and objects spread around your house efficiently.
  - Energy- saving: you can use mechanical option and move the machine working with your legs (as in a bicycle) or using the electricity mode that works with solar energy, 90% environmental friendly.
  - Connectivity. The picking machine has integrated Bluetooth speakers that allow you to connect to any device. You can connect your mobile or tablet to the machine so you can take calls, listen to music, etc.
  - Transport: not matter how big your house is, you will transport everywhere picking up things very quickly.
  - Free time: you will save 50% off your time cleaning up so you will have much more free time.
  - Health: ergonomic seat that allows you to do housework without damaging your back picking objects.

Now it is your turn think on:

- Energy source:
- Energy label efficiency:
- Function:
- Simple machines included:
- How it works:
- Technological advances: