

WIND ENERGY

1. Mark the boxes that describe the benefits of using wind energy with an :

Air is a source of renewable, inexhaustible energy obtained in abundance from nature.

Land use: wind farms can coexist with crops or other types of land use, or even in regions that are not otherwise arable, such as deserts or sea coasts or very steep slopes.

The energy production is irregular and cannot be depended on exclusively.

As it doesn't use combustion, wind energy produces no polluting waste.

Wind energy requires large areas of land to install numerous propellers and to be able to produce considerable amounts of electricity.

The installation of wind farms is much simpler to set up than power plants.

2. Use arrows to match the name of the different parts of a wind turbine to their description:

**Wind blades into
mechanical energy**

Its function is to transform kinetic energy.
In its interior, it contains the different devices
that will transform the mechanical energy of
the rotor into electrical energy.

Rotor

Very similar to the wings of an airplane.
Today, most have three blades, which tend to
be made of polyester with glass fiber.

Gondola

Search for information about the functioning
and parts of a windmill. Then draw it and
give an explanation.