

**THE WINDS OF CHANGE ARE BLOWING! I'M CÉFIR FROM THE WORLD OF WIND. GONE WITH THE WIND!**

We get our energy from the wind. Through the kinetic energy from air masses, we can obtain mechanical energy and turn it into electricity!

Or other useful types of energy for human activities.

You can also use this energy in your world!

I've got so much to tell you!

Wind energy is produced using the strength of the wind.

Humans have been using wind energy for a long time now. For example, flour mills and sailing boats rely on wind energy to work. Windmills are an excellent example of how the strength of the wind can be useful. When the wind makes the windmill blades turn, a gear starts to turn. This gear is used to mill grains of wheat and corn, making flour and food for animals.

The wind can be turned into electricity. The machines used to turn wind into electricity are called wind turbines.

How's this energy turned into electricity? It's very simple.

- Firstly, the strength of the wind makes the wind turbine blades turn.
- As they turn, this movement produces electricity.
- Lastly, this energy is transported via underground cables and by air to the places where it's consumed: homes, schools, streets...

It's common to see tens of wind turbines in one place. This is called a wind farm.

Wind farms must be located in areas with plenty of wind, such as in the mountains or close to the sea.



## **D**ID YOU KNOW...

*... a wind turbine can be as tall as a 30-story building?*

*... the first windmill to produce electricity was built in 1888?*

1. CÉFIR HAS DECIDED TO BRING YOU A BREATH OF FRESH AIR! COMPLETE THE SENTENCES WITH THE CORRECT ANSWERS.

1 - Wind energy is produced...

2 - The machines used to turn wind into electricity are called...

3 - When there are various wind turbines in the same place, this place is called a ...

A - ... using the strength of the wind

B - ... wind turbines

C - ... wind farm

2. DRAW A WIND FARM ON THIS PAGE. REMEMBER THAT WIND FARMS TEND TO BE LOCATED IN AREAS WITH PLENTY OF WIND, SUCH AS IN THE MOUNTAINS OR CLOSE TO THE SEA.

