

Hello! I'm Vita and I come from the world of Biomass.

How do you think we obtain energy in my world? We use organic materials. That's right! It can be anything from agricultural waste (olive stones, nut shells...) to leftover wood, pellets or sawdust.

Biomass energy is cheaper, renewable and emits less emissions due to its combustion method. It also helps to keep forests clear, so it helps with fire prevention.

You can use this energy in your world, too!

I've got so much to tell you!

Biomass is everything that comes from nature:

- Leaves from the trees in autumn.
- Cut branches and trunks.
- Trees cut to clear mountain areas.
- Waste left after garden clearing.
- Even garbage is biomass!

Trees aren't cut down intentionally to generate energy. However, most of the Biomass we use to obtain energy is wood. Did you know that, historically, wood ovens were often used for cooking, and wood was burned to provide heat?

There are Biomass Plants where waste, wood residues and rubbish are burned. This burning process enables electricity production.

Biomass also helps to produce biogas. Biogas is like the gas we have at home, but it comes from nature and it's renewable. Biomass also produces alcohol such as ethanol. Ethanol is a fuel similar to gasoline, but renewable and less polluting! In many countries it's already mixed with gasoline to make cars more environmentally friendly.



D ID YOU KNOW...

... one of the advantages of Biomass is that it's obtained by clearing forests and mountains, reducing the risk of fires?

... forests are, and always will be, a great energy source?

... since the beginning of mankind, firewood has allowed humans to heat and cook food?

VITA HAS DECIDED TO TEACH YOU HOW TO USE HIS ENERGY, BIOMASS, SO MAKE SURE YOU'RE LISTENING...

THE JOURNEY FROM HIS WORLD HAS LEFT HIM A BIT CONFUSED, SO BEFORE YOU START, HELP COMPOSTITE CHOOSE THE RIGHT WORDS LINKED TO HIS ENERGY.

1. CIRCLE ANYTHING THAT COULD BE BIOMASS:

- | | | | |
|--------------|-----------|----------|-------|
| leaves | papel | glass | |
| stones | metal | plastics | |
| wood | coal | bags | |
| olive stones | petroleum | bottles | books |
| banana skins | erasers | sawdust | water |



2. COLOR IN OR CIRCLE THE OBJECTS THAT WILL HELP VITA:

