ACADÉMIE
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SESSION 2022

BACCALAURÉAT PROFESSIONNEL
ÉPREUVE ORALE SPÉCIFIQUE « SECTION EUROPÉENNE »

SPÉCIALITÉ : Plastiques et Composites

LANGUE : ANGLAIS

SUJET N°1

Durée de l'épreuve : 40 minutes

- Préparation	- 20 minutes
- Présentation de la situation	- 10 minutes
- Entretien sur les activités et travaux effectués dans la discipline non linguistique	- 10 minutes

SITUATION

You are a technician at **Biome Bioplastics**, one of the UK's leading developers of intelligent, natural plastics.

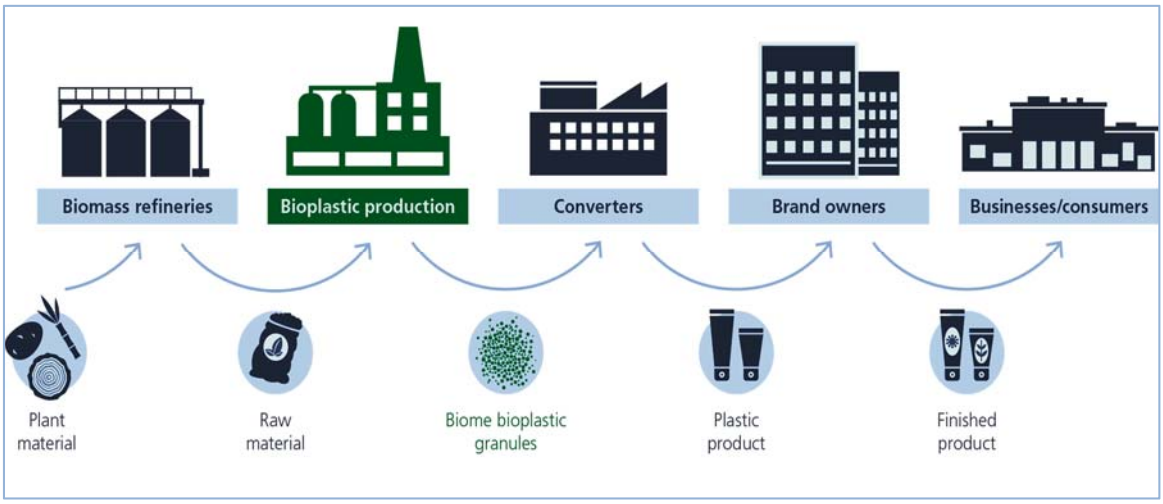
Their mission is to produce bioplastics that can challenge the dominance of oil-based polymers, and ultimately replace them completely.

A client wants to produce one of those bioplastic products.

Explain how bioplastics are different from the more common plastics and how interesting it is to have these materials from *plant-based resources.

Vocabulary :

***plant-based resources** : ressources végétales



DOCUMENTS :

- **DOCUMENT 1 : BIOPLASTICS**
- **DOCUMENT 2 : WHY BIOPLASTICS ?**

DOCUMENT 1 : BIOPLASTICS

What is a bioplastic ?

A bioplastic is a plastic that is made partly or wholly from materials derived from biological sources, such as sugarcane, potato starch or the cellulose from trees and *straw.

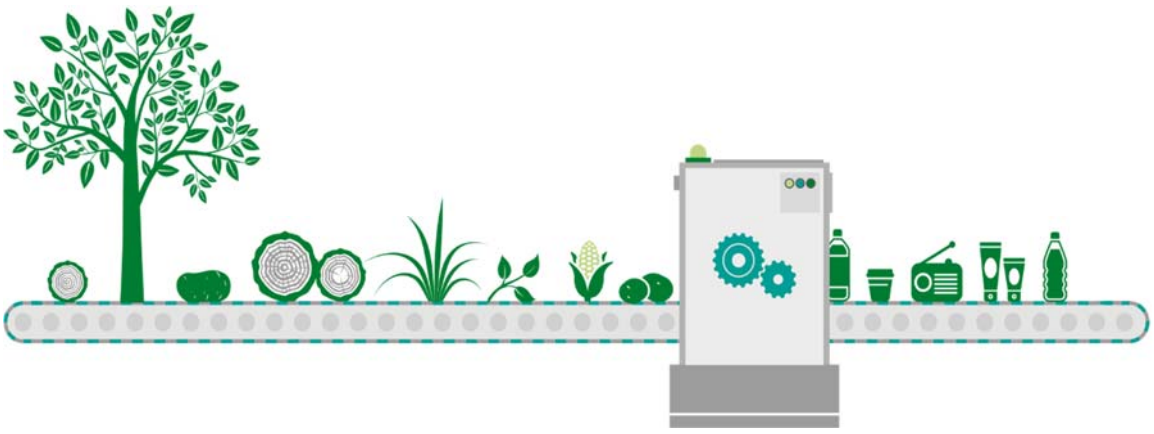
Bioplastics are often designed so that they biodegrade or compost at the end of their useful life, aided by *fungi, bacteria and enzymes.

Bioplastics can generally be directly substituted for their oil-based equivalents. They can also be made to be chemically identical to standard industrial plastics.

Vocabulary :

***straw** : paille

***fungi** : champignons



***Source** : https://biomebioplastics.com/company/*

DOCUMENT 2 : WHY BIOPLASTICS ?

Vocabulary :

*__scarce__ : rare

*__Biomass feedstock__ : matières premières de biomasse

Source *: https://biomebioplastics.com/company/*