



ACADÉMIE
DE NANTES

Liberté
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BACCALAUREAT GENERAL ET TECHNOLOGIQUE

ÉPREUVE SPECIFIQUE MENTION

« SECTION EUROPEENNE OU DE LANGUE ORIENTALE »

Binôme : Anglais / SVT

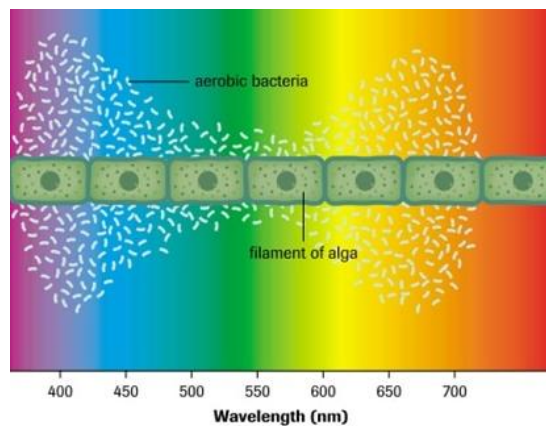
Thème 3 : De la plante sauvage à la plante domestiquée
3 - A – La plante productrice de matière organique

Plants as company: a good or a bad idea?

Imagine you are a student living in a 9 square meter room 24/7 (because of the Covid-19 lockdown). Using your knowledge and the documents, would you say that it is safe to sleep with plants in your bedroom?

Document 1:

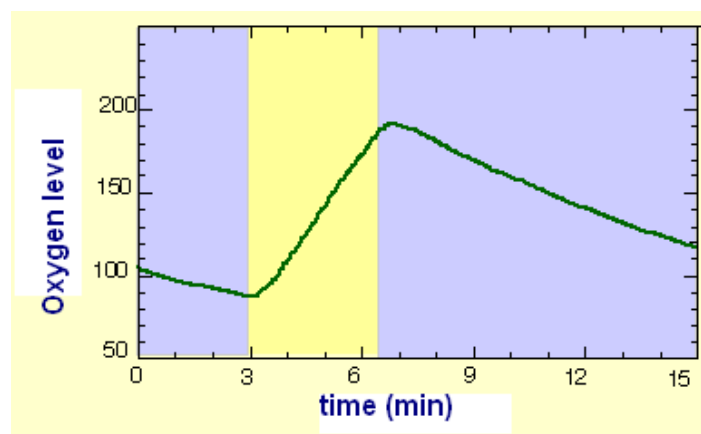
In 1882, Theodor Engelmann performed an important experiment in regards to photosynthetic activity.



Document 2 :

Some people worry that plants in the bedroom will cause carbon dioxide (CO₂) poisoning, but this is an urban myth. It's true that when you turn off the light, the plant no longer has a source of energy, and so photosynthesis stops. This means that it no longer takes in CO₂.

Meanwhile, in the dark, the plant continues to respire – a process which releases CO₂ (the exact quantity of which depends on the size of your plant and its species).



Source: <https://www.sciencefocus.com/>