

BREVET DE TECHNICIEN SUPERIEUR

GROUPE 17

LANGUE VIVANTE ETRANGERE

SESSION 2001

EPREUVE D'ANGLAIS

Durée : 2 heures

SUJET

Le sujet est composé de 1 page A3

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B.T.S. DU GROUPE 17

Assistant en création industrielle
Conception de produits industriels
Conception et réalisation de carrosseries
Constructions navales
Etude et réalisation d'outillages de mise en forme des matériaux
Industries céramiques
Industries des matériaux souples
Industries papetières
Maintenance et après vente automobile
Maintenance et après vente des engins de travaux publics et de manutention
Maintenance industrielle
Mécanique et automatismes industriels
Mise en forme des alliages moulés
Mise en forme des matériaux par forgeage
Microtechniques
Moteurs à combustion interne
Plastiques et composites
Productique bois et ameublement
Productique mécanique
Réalisation d'ouvrages chaudronnés
Traitement des matériaux

ENVIRONMENTALLY FRIENDLY OFFICES

ANNAPOLIS, Maryland (AP) – When the Chesapeake Bay Foundation moves into its new headquarters later this year, employees will use flushless toilets and wash their hands in unheated rainwater.

5 A system of computerized red and green lights will tell them when, in the interest of energy efficiency, they should open or close windows. Photo sensors will turn off the lights when there is enough natural light shining through the glass walls looking out over the Chesapeake Bay.

Rain that runs off the parking lot will be routed¹ through two filtering systems before entering the bay, at which time it is supposed to be pure enough to drink.

10 Those are just a few of the features incorporated in what foundation officials think will be one of the “greenest” office buildings ever built.

The Chesapeake Bay Foundation, an environmental group that works to restore the health of the bay, has offices scattered in several locations around Annapolis. It spent several years looking for a site for new headquarters.

15 One example of an environmentally friendly design element: using cork² flooring throughout most of the building instead of carpeting, even though carpeting would have cost less. Cork is quiet, is a warm color and does not give off harmful gases as does some carpet. Plus, it is a renewable resource, Eichbaum said.

“You harvest cork and the tree remains alive. You’re not destroying a forest,” he said.

20 Energy use got a lot of attention. About one-third of the energy will come from renewable sources, including solar panels to heat water for showers and laundry and geothermal heat pumps operating in 300-foot (90-meter) deep wells to assist in heating and cooling the building.

25 Foster estimates the building will use only about one-third as much energy from conventional sources as a traditional office building.

All this environmental concern does not come cheap.

The costs will be around \$200 a square foot, considerably more expensive than a standard building,” Foster said.

30 There will be some long-term savings from reduced energy use and reduced maintenance, but not enough to make up the difference, Foster said.

“Our board wanted us to set an example to show people what can be done,” Foster said.

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¹ (to) route : *conduire, diriger*

² cork : *liège*

COMPREHENSION

Faites un compte-rendu en français de l'article intitulé "Environmentally friendly offices"

(150 mots environ) (10 points)

EXPRESSION

Répondez en anglais aux 2 questions suivantes :

1. Why has the Chesapeake Bay Foundation decided to have a green building ?
(≅ 60 mots) (3 points)
2. Do you think many companies will follow this example ? Explain your opinion.
(≅ 140 mots) (7 points)