

DANS CE CADRE

Académie :

Session :

Examen ou concours :

Série* :

Spécialité/option :

Repère de l'épreuve :

Épreuve/sous-épreuve :

NOM

(en majuscule, suivi s'il y a lieu, du nom d'épouse)

Prénoms :

n° du candidat

Né(e) le :

(le numéro est celui qui figure sur la convocation ou liste d'appel)

NE RIEN ÉCRIRE

Examen :

Série* :

Spécialité/option :

Repère de l'épreuve :

Épreuve/sous-épreuve :

Note / 20

Appréciation du correcteur (uniquement s'il s'agit d'un examen)

Il est interdit aux candidats de signer leur composition ou d'y mettre un signe quelconque pouvant indiquer sa provenance.

BREVET D'ÉTUDES PROFESSIONNELLES

SESSION 2009

ANGLAIS

TOUTES SPÉCIALITÉS

*(sauf Maintenance des Équipements de Contrôle des Systèmes Industriels)***DURÉE : 1 heure***L'usage de la calculatrice et du dictionnaire ne sont pas autorisés*Dès que ce sujet vous est remis, assurez-vous qu'il est complet
Ce sujet comporte 5 pages numérotées de 1/5 à 5/5

B.E.P. TOUTES SPÉCIALITÉS		Session : septembre 2009	
MÉTROPOLE – RÉUNION - MAYOTTE			
Épreuve : ANGLAIS			
Durée : 1 heure	Coefficient : <i>selon la spécialité</i>	SUJET	S 1/5

NE RIEN ÉCRIRE DANS CETTE PARTIE

WHAT FOODS DO ASTRONAUTS EAT IN SPACE?

When astronauts leave for a mission, they will not be able to refrigerate their food, so anything they take along must be non-perishable. The space food that they bring must also be easy to eat **without making a mess**¹, since the astronauts will be outside the **gravitational field**², and any **crumbs**³ from their food could float around and **get stuck**⁴ in equipment or in the astronauts' eyes. Because astronauts will often be in space for weeks or months at a time, they are usually unable to bring fresh food, such as fruit and vegetables, on board the shuttle.

Many types of space food are dehydrated, or freeze-dried, and sealed. When the astronaut is ready to eat the space food, he can add water to rehydrate the meal so that it will be **edible**⁵. Though there is no refrigerator on board a space shuttle, there is an oven, so astronauts will be able to heat up or bake their space food as necessary.

While in space, astronauts generally use flour tortillas for sandwiches, rather than bread. This is because bread can have a lot of crumbs, which will float around in the shuttle. For condiments to go on space food, ketchup, mustard, and mayonnaise are provided in their standard form, but salt and pepper are provided only in liquid form, because the powdered version would be likely to float away.

Space food is provided in disposable containers that can be attached to the astronaut's meal **tray**⁶, which is strapped to his **lap**⁷, so that the containers do not float freely through space. The astronaut must consume each part of the meal separately, not starting on another course until the previous one is finished. Once the space food has been eaten, the meal packaging must be disposed of, and is put into a trash compactor to eliminate waste.

In recent years, some chefs have begun to experiment with creating space food. Celebrity chefs including Emeril Legasse and Rachael Ray have designed meals which have been offered on NASA shuttle flights.

Written by Kathy Hawkins.

<http://www.wisegeek.com/what-foods-do-astronauts-eat-in-space.htm>

Vocabulary help:

1 - **without making a mess**: sans faire de saletés.
2 - **gravitational field**: champ gravitationnel (gravitation ou apesanteur: loi physique expliquant l'attraction terrestre des corps)

3 - **crumbs**: des miettes
4 - **to get stuck**: se coller
5 - **edible**: mangeable

6 - **a tray**: un plateau
7 - **his lap**: ses genoux

NE RIEN ÉCRIRE DANS CETTE PARTIE

TRAVAIL À FAIRE PAR LE CANDIDAT

COMPRÉHENSION

I. Cochez la réponse qui convient.

(1,5 point)

- The text is an extract from a magazine.
 a newspaper.
 a website.
- It reports about life on Earth.
 in a shuttle.
 on a boat.
- It is an article about astronauts' missions.
 astronauts' food.
 astronauts' health.

II. Cochez les aliments que les astronautes peuvent consommer dans l'espace. (2,5 points)

- salt pepper ketchup oranges tomatoes
 salad bread tortillas apples mayonnaise

III. Les affirmations suivantes sont-elles vraies (RIGHT) ou fausses (WRONG) ? Cochez la bonne case. Justifiez votre réponse en recopiant le passage du texte qui a guidé votre choix. (6 points)

- | | RIGHT | WRONG |
|---|--------------------------|--------------------------|
| 1. Outside the gravitational field, astronauts can easily eat.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. During long missions in space they usually don't eat fresh food.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Some types of food require water addition.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |

NE RIEN ÉCRIRE DANS CETTE PARTIE

- | | RIGHT | WRONG |
|---|--------------------------|--------------------------|
| 4. Astronauts always have cold meals.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. In space they use salt and pepper in their powdered version.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. After eating, the meal packaging is destroyed.
.....
..... | <input type="checkbox"/> | <input type="checkbox"/> |

COMPÉTENCE LINGUISTIQUE

- I. Interrogé par un journaliste de la revue "Eating well", un responsable de la NASA s'exprime sur l'alimentation des astronautes. Complétez ses propos à l'aide des éléments suivants (chacun d'entre eux ne sera utilisé qu'une fois) : (2,5 points)

will be able to - can - can't - must - mustn't

Today, celebrity chefs cook space food but they follow some rules because, on board, food float. Astronauts eat fresh products but, luckily, once in space, they heat up frozen food in the oven.

- II. Avant de partir en mission, un astronaute répond à une interview pour la chaîne CNN. Complétez les questions du journaliste à l'aide d'un mot interrogatif : (3,5 points)

- astronauts will there be on board?
- There will be six.
- will you stay in space?
- About two months.

NE RIEN ÉCRIRE DANS CETTE PARTIE

- experiments will you carry on?
- Medical experiments.
- will you eat?
- Mainly dehydrated food.
- cooked your meals?
- Celebrity chef Rachael Ray did.
- will you return to Earth?
- We'd like to be back for Christmas.
- will you land?
- At Kennedy Space Center.

EXPRESSION ECRITE

Would you like to travel in space? Give your reasons.

Rédigez EN ANGLAIS un paragraphe de 50 mots environ.

(4 points)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....