**Listening Exercise 177**

Biology

USA Spanish accent

Guidelines:

1. Review the questions.
2. Listen to the audio twice (click the icon). (If link does not work from email, save to computer and then open).
3. Answer the questions based on information in the audio passage. If unable to answer from the audio, refer to the transcript.
4. Consult the transcript, vocabulary, translation and answers to confirm correct responses and gauge understanding.

¡Gracias por sus esfuerzos!



1. Which best describes the main theme?
   1. Environmental protection
   2. Food supply
   3. Genetic modification
   4. Marine life
2. What affects 790 million people worldwide?
   1. Disease
   2. Malnutrition
   3. Poverty
   4. Underdevelopment
3. Which do developing countries lack that compounds the problem?
   1. Adequate schools
   2. Drinking water
   3. Logistics networks
   4. Medical facilities
4. There is a shortage of which essential substance?
   1. Complex carbohydrates
   2. Fatty acids
   3. Glucose calories
   4. Vegetable oil
5. What is the main substance discussed?
   1. Algae powder
   2. Dried seaweed
   3. Plant emulsion
   4. Something genetic
6. How many brands of this product are there?
   1. None
   2. One
   3. Two
   4. Three

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| Se calcula que setecientos noventa millones de personas en todo el mundo padecen desnutrición crónica. La mayoría de esas personas viven en paises en desarrollo, lo que crea un mayor reto logístico para conseguir alimentos para quienes más los necesitan. Como si fuera poco, el geneticista de algas, Stephen Mayfield, sostiene que hay un problema más profundo. | It is estimated that seven hundred and ninety million people worldwide suffer from chronic malnutrition. Most of these people live in developing countries, which creates a major logistical challenge to get food for those who need it most. As if that were not enough, algae geneticist Stephen Mayfield argues that there is a deeper problem. |
| *“De hecho el mundo no carece de calorías. Lo que escacean son las proteínas y los ácidos grasos esenciales”.* | *"In fact the world does not lack calories. What is in short supply are proteins and essential fatty acids. "* |
| Pero las algas nos muestran una luz de esperanza porque en ellas ambos se pueden encontrar en abundancia. | But the algae show us a ray of hope because both of them can be found in abundance. |
| *“Las algas son naturalmente muy ricas en proteínas y en lípidos y estos son los tipos de alimentos que el mundo realmente necesita”.* | *"Algae are naturally very rich in protein and lipids and these are the types of food the world really needs."* |
| Mayfield y su equipo han creado unas algas ricas en proteína que se pueden secar y utilizar como un suplemento alimenticio nutritivo. | Mayfield and his team have created protein-rich algae that can be dried and used as a nutritious food supplement. |
| *“Aquí hay uno que acábamos de terminar y lo que hacemos es simplemente tomar esto y secarlo. Como se puede ver, se genera un polvo verde muy agradable que es perfectamente comestible. De hecho, sabe muy bien”.* | *"Here's one we ended up finishing, and what we do is just take this and dry it. As you can see, it generates a very nice green powder that is perfectly edible. In fact, it tastes great. "* |
| La gran idea de Mayfield es que algún día las algas podrían reemplazar las enormes cantidades de tierras ocupadas por los agricultores que producen proteína de carne o soya. Todavía no hay productos comercializables pero Mayfield espera que las algas sean una forma de ayduar a exterminar el hambre crónica en todo el mundo. | Mayfield’s grand idea is that someday the algae could replace the huge amounts of land occupied by farmers who produce meat or soy protein. There are still no marketable products but Mayfield hopes that algae will be a way to help exterminate chronic hunger around the world. |

**Vocabulary**

padecer to suffer from

reto challenge

alimento food

carecer to lack

algas algae

lípidos lipids

comestible edible

sabe muy bien tastes good

comercializables marketable

ácidos grasos esenciales essential fatty acids

paises en desarrollo developing countries

escacear to be scarce, to

be in short supply