**Listening Exercise 237**

**Technology**

Guidelines:

A. Review the questions

B. Listen to the audio twice (click the icon). (If link does not work from email, save to computer and then open).

C. Answer questions using information in the audio passage. If unable to answer, refer to the transcript.

D. Check transcript, vocabulary, translation and answers to confirm correct responses and gauge understanding.



**Questions**

1. Which is 3D printing technology being developed to print?
   1. Food
   2. Hypodermics
   3. Medicine
   4. Sensors
2. Which is NOT a characteristic of the concept researchers propose?
   1. Affordable
   2. Convenient
   3. Portable
   4. Secure
3. Where might this technology be useful?
   1. Conflict zones
   2. Developing countries
   3. Emergency rooms
   4. Natural disasters
4. Which of the following does the primary concept depend upon?
   1. Biological feedback
   2. Clean water
   3. Digital security
   4. High-tech laboratory
5. Which is required before it can be used?
   1. Bottled water
   2. Clean vegetables
   3. Computer security
   4. Medical prescription
6. Which best describes the time-line for this technology to be ready for use?
   1. Now
   2. Weeks
   3. Months
   4. Years

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| Científicos de la Universidad de Sussex están desarrollando una impresora 3D de mano que podría permitir que los pacientes impriman sus propias medicinas. Usando un prototipo de una de las impresoras 3D más pequeñas del mundo han optimizado el material de alimentación para que contenga la dosis correcta de un medicamento. | Scientists at the University of Sussex are developing a handheld 3D printer that could allow patients to print their own medicine. Using a prototype of one of the smallest 3D printers in the world they optimized the source material to contain the correct dose of a drug. |
| *“Queríamos proponer el concepto de tener un sistema más asequible que pueda ser impulsado simplemente por un dispositivo de mano como un teléfono inteligente y el paciente básicamente puede portarlo y puede imprimir el medicamento requerido en el momento o en el momento de necesidad.”* | *"We wanted to propose the concept of having a more affordable system that can be driven simply by a handheld device such as a smartphone and the patient can basically carry it and can print the required medication at that moment or at the moment of need."* |
| El doctor Mohamed Manilusaman de la Universidad de Sussex dice que las píldoras podrían ser disolubles por vía oral eliminando la necesidad de tomarlas con agua y haciendo las más seguras para el uso en los países en desarrollo. Parte de la investigación sobre píldoras impresas en la universidad incluye la idea de una cápsula biológica, un laboratorio en una píldora que se traga y envía información en vivo a través de sus sensores. | Dr. Mohamed Manilusaman of the University of Sussex says that the pills could be dissolved orally eliminating the need to take them with water and making them safer for use in developing countries. Part of the research on printed pills at the University includes the idea of ​​a biological capsule, a laboratory in a pill that is swallowed and sends live information through its sensors. |
| Una vez que los médicos tienen la información de la bio-cápsula pueden emitir una receta y los pacientes pueden imprimir su propio medicamento. Manilusaman indica que la investigación se encuentra en sus primeras etapas y que podría pasar hasta una década antes que los pacientes impriman sus propios medicamentos. | Once the doctors have the bio-capsule information they can issue a prescription and patients can print their own medication. Manilusaman says the research is in its early stages and it could take up to a decade before patients print their own medications. |

**Vocabulary**

Asequible affordable

Disoluble dissolvable

Tragar to swallow