**Listening Exercise 109**

Audio News Article, 1 minute 31 seconds

¡Gracias por estudiar! ☺

Guidelines:

A. Review the questions

B. Play the audio twice in repetition (click on the icon)

C. Attempt to answer the questions.

F. Review the transcript to gauge comprehension

G. Listen to the audio a third and fourth time while simultaneously reading the audio transcript

H. Refer to the answers, vocabulary and translation to clarify doubts and uncertainties



**Questions**

1. Which best describes what this article is about?
   1. Photographic imagery
   2. Aerospace research
   3. Meteorite shower
   4. Climate change
2. How are traditional monitoring methods limited in their usefulness?
   1. Monitor few aspects
   2. Too expensive
   3. Cannot follow rapid changes
   4. High power requirements
3. Which is characteristic of areas where monitoring is most important?
   1. Violent earthquakes
   2. Sudden strong storms
   3. Scattered towns
   4. Dynamic facilities
4. Why are forecasts difficult to make in Oklahoma?
   1. Inadequate data
   2. Frequent weather changes
   3. Storm dynamics
   4. Poor atmospheric conditions
5. Which is NOT a sought after technological quality?
   1. Small
   2. Inexpensive
   3. Limited duration
   4. Multi-spectrum
6. Which describes Altas’ shape?
   1. Round
   2. Angled inward
   3. Flat
   4. Oval

**Transcript**

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| --- | --- |
| Medidas atmosféricas provistos por radar, globos atmosféricos, y torres son buenos en pronosticar el tiempo tres o cuatro días por adelantado, pero no tan buenos entre decir cambios atmosféricos dinámicos hora por hora. El ingeniero aéreoespacial Jamie Jacob dice que puede ser extremamente importante en lugares susceptibles a tormentas súbitas y violentas. | Atmospheric measurements provided by radar, weather balloons, and towers are good at predicting the weather three or four days in advance, but not so good at telling dynamic atmospheric changes hour by hour. Aerospace engineer Jamie Jacob says it can be extremely important in places susceptible to sudden and violent storms. |
| “Oklahoma es un buen ejemplo ya que somos un área dinámica en cuanto al tiempo que se refiere. Tenemos sólo dos lanzamientos de globos en un sólo lugar del estado así que los datos son muy esparcidos y es muy difícil que los meteorólogos hagan buenos pronósticos con estas limitaciones.” | "Oklahoma is a good example because we are a dynamic area regarding the weather referred to. We have only two balloon launches in just one part of the state so the data is very scattered and it is very difficult for meteorologists to make good forecasts with these limitations" |
| Por esto, los científicos de la universidad de Oklahoma desarrollan pequeños drones asequibles que pueden pasar horas en el aire tomando medidas desde muchos puntos para dar a los investigadores una forma más efectiva de entender la física de las tormentas y mejorar la precisión de los modelos para pronósticos basados en computadora. | Therefore, scientists from the University of Oklahoma are developing small affordable drones that can spend hours in the air taking measurements from several points to give researchers a more effective way to understand the physics of storms and improve the accuracy of computer-based forecasting models. |
| El dron esférico llamado Atlas puede volar, observar, rodar por la tierra y continuar volando, ideal para volar durante una tormenta. Puede, además, grabar video en tiempo real y ayudar en misiones de búsqueda y rescate. Los investigadores esperan que un dron capaz de recolectar muestras de la atmósfera interior puede estar disponible en unos dos años. | The spherical drone called Atlas can fly, see, roll on the ground and continue flying, ideal to fly during a storm. Additionally, it can record video in real time and assist in search and rescue missions. The researchers hope that a drone capable of collecting samples of the internal atmosphere may be available in about two years. |

**Vocabulary**

Provisto provided

pronosticar to forecast

aéreoespacial aerospace

súbita sudden

esparcido sparse, scattered

dron drone

asequible affordable

investigador researcher

esférico spherical

rodar to roll

grabar to record

búsqueda y rescate search and rescue