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Ready-to-Use English Lessons by Sean Banville

Level 2 – 6th March, 2019

Scientists gave mice night vision

FREE online quizzes, mp3 listening and more for this lesson here:
https://breakingnewsenglish.com/1903/190306-night-vision-2.html

Contents

Please try Levels 0, 1 and 3. They are (a little) harder.

THE READING

From https://breakingnewsenglish.com/1903/190306-night-vision-2.html

Do you want to see in the dark? This might be possible. Scientists gave mice the ability to see near-infrared light. This is a kind of light that mice cannot usually see. Researchers from universities in China and the USA changed the vision of the mice they tested. They injected special nanoparticles into their eyes. These nanoparticles let the mice see better in the dark. The injections meant the mice could see in the dark for about 10 weeks. The scientists said the injections did not damage the eyesight of the mice. The eyes of the mice did not suffer from any side effects.

The research is published in the journal 'Cell'. The researchers hope their tests could be done on humans. Researcher Dr Tian Xue said: "Human beings have been trying to develop new technology to enable abilities that are beyond our natural abilities." He said tests in the future could let humans see in the dark. Dr Tian added: "Another cool thing about this potential technology is that it wouldn't require a person to wear heavy and energy-intensive equipment, such as night-vision goggles." He also said the military might be interested in his research.

Sources: https://www.**gizmodo.com.au**/2019/03/incredible-experiment-gives-infrared-vision-to-miceand-humans-could-be-next/
https://www.**geek.com**/news/nanotechnology-gives-mice-night-
https://www.**cell.com**/cell/fulltext/S0092-8674(19)30101-1

PHRASE MATCHING

From https://breakingnewsenglish.com/1903/190306-night-vision-2.html

PARAGRAPH ONE:

1. the ability to see near-infrared	a. about 10 weeks
2. This is a kind	b. nanoparticles
3. changed the vision of the	c. of light
4. They injected special	d. side effects
5. These nanoparticles	e. mice they tested
6. see in the dark for	f. of the mice
7. damage the eyesight	g. let the mice see
8. suffer from any	h. light

PARAGRAPH TWO:

1. published in the	a. goggles
2. develop new	b. in the dark
3. beyond our natural	c. be interested
4. let humans see	d. journal 'Cell'
5. Another cool thing	e. intensive equipment
6. wear heavy and energy-	f. abilities
7. night-vision	g. about this
8. the military might	h. technology

LISTEN AND FILL IN THE GAPS

From https://breakingnewsenglish.com/1903/190306-night-vision-2.html

Do you (1) _____ in the dark? This might be possible. Scientists gave (2) _____ to see near-infrared light. This is a kind of light that mice cannot usually see. Researchers from universities in China and the USA changed the vision of the mice they tested. (3) _____ nanoparticles into their eyes. These nanoparticles let the mice see better in the dark. The injections (4) _____ could see in the dark for (5) _____. The scientists said the injections did not damage the eyesight of the mice. The eyes of the mice did not suffer from (6) _____.

The research is published (7) _____ 'Cell'. The researchers hope their tests could be done on humans. Researcher Dr Tian Xue said: "Human beings (8) _____ to develop new technology to enable abilities that are beyond our natural abilities." He said tests (9) _____ could let humans see in the dark. Dr Tian added: "Another cool thing about this potential technology is that it wouldn't (10) _____ to wear heavy and energy-intensive equipment, (11) _____-vision goggles." He also said the military might be interested (12) _____.

PUT A SLASH (/)WHERE THE SPACES ARE

From https://breakingnewsenglish.com/1903/190306-night-vision-2.html

Doyouwanttoseeinthedark?Thismightbepossible.Scientistsgavemic
etheabilitytoseenear-infraredlight.Thisisakindoflightthatmicecann
otusuallysee.ResearchersfromuniversitiesinChinaandtheUSAchang
edthevisionofthemicetheytested.Theyinjectedspecialnanoparticlesi
ntotheireyes.Thesenanoparticlesletthemiceseebetterinthedark.The
injectionsmeantthemicecouldseeinthedarkforabout10weeks.Thesci
entistssaidtheinjectionsdidnotdamagetheeyesightofthemice.Theey
esofthemicedidnotsufferfromanysideeffects.Theresearchispublishe
dinthejournal'Cell'.Theresearchershopetheirtestscouldbedoneonhu
mans.ResearcherDrTianXuesaid:"Humanbeingshavebeentryingtod
evelopnewtechnologytoenableabilitiesthatarebeyondournaturalabil
ities."Hesaidtestsinthefuturecouldlethumansseeinthedark.DrTiana
dded:"Anothercoolthingaboutthispotentialtechnologyisthatitwould
n'trequireapersontowearheavyandenergy-intensiveequipment,s
uchasnight-visiongoggles."Healsosaidthemilitarymightbeintereste
dinhisresearch.

NIGHT VISION SURVEY

From https://breakingnewsenglish.com/1903/190306-night-vision-4.html

Write five GOOD questions about Night vision in the table. Do this in pairs. Each student must write the questions on his / her own paper.
When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

WRITING

From https://breakingnewsenglish.com/1903/190306-night-vision-2.html

Write about **night vision** for 10 minutes. Read and talk about your partner's paper.