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Level 5 – 30th March, 2019

Scientists find out why dogs' noses are cold

FREE online quizzes, mp3 listening and more for this lesson here:

<https://breakingnewsenglish.com/2003/200330-dogs-noses-5.html>

Contents

The Reading	2
Phrase Matching	3
Listening Gap Fill	4
No Spaces	5
Survey	6
Writing and Speaking	7
Writing	8

Please try Levels 4 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2003/200330-dogs-noses-5.html>

Researchers may have solved one of science's great mysteries - why a dog's nose is cold. Scientists from universities in Sweden and Hungary believe dogs' noses are always cold because they act as "ultra-sensitive heat detectors". Dogs can sense the temperature of things before they touch them. They said dogs use their noses to detect changes in temperature, such as when predators or prey are nearby. Humans only know something is hot after touching it, often with painful consequences. It was believed that dogs' noses are cold to control and regulate their own body temperature.

Researchers did experiments on dogs. The dogs had to detect the temperature of different objects. Humans could only differentiate the temperatures by touching the objects. The brain activity in the dogs showed that they knew which objects were warmer than others. The lead author of the study said: "Dogs are able to sense the thermal radiation coming from warm bodies...and they can change their behaviour according to this signal." Scientists should now re-evaluate how animals hunt. Many predators may use heat-sensing abilities to track or sense their prey.

Sources: <https://www.countryliving.com/uk/wildlife/pets/a31186288/dogs-cold-noses/>
<https://uk.reuters.com/article/uk-hungary-science-dogs/dogs-can-detect-heat-with-infrared-sensor-in-their-nose-research-finds-idUKKBN20Q1RG>
<https://uk.news.yahoo.com/dog-nose-cold-182000634.html>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2003/200330-dogs-noses-5.html>

PARAGRAPH ONE:

- | | |
|--------------------------------|-----------------------|
| 1. solved one of science's | a. regulate their own |
| 2. they act as ultra-sensitive | b. are nearby |
| 3. detect changes | c. temperature |
| 4. when predators or prey | d. in temperature |
| 5. know something is hot | e. great mysteries |
| 6. with painful | f. heat detectors |
| 7. control and | g. consequences |
| 8. body | h. after touching it |

PARAGRAPH TWO:

- | | |
|--------------------------------|---------------------|
| 1. Researchers did experiments | a. objects |
| 2. The dogs had to detect | b. were warmer |
| 3. touching the | c. sense their prey |
| 4. brain | d. the temperature |
| 5. they knew which objects | e. behaviour |
| 6. The lead author | f. on dogs |
| 7. hey can change their | g. of the study |
| 8. track or | h. activity |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2003/200330-dogs-noses-5.html>

Researchers may have (1) _____ science's great mysteries - why a dog's (2) _____. Scientists from universities in Sweden and Hungary believe dogs' noses are always cold because they act as "ultra-sensitive heat detectors". Dogs (3) _____ temperature of things before they touch them. They said dogs use their noses to (4) _____ temperature, such as when predators or prey are nearby. Humans only know something is (5) _____ it, often with painful consequences. It was believed that dogs' noses are cold to (6) _____ their own body temperature.

Researchers did experiments on dogs. The dogs (7) _____ the temperature of different objects. Humans could only differentiate the temperatures by (8) _____. The brain activity in the dogs showed that they knew which objects (9) _____ others. The lead author of the study said: "Dogs are (10) _____ the thermal radiation coming from warm bodies...and they can change their behaviour according (11) _____." Scientists should now re-evaluate how animals hunt. Many predators may use heat-sensing abilities to track or (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2003/200330-dogs-noses-5.html>

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DOGS' NOSES SURVEY

From <https://breakingnewsenglish.com/2003/200330-dogs-noses-4.html>

Write five GOOD questions about dogs' noses 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/2003/200330-dogs-noses-5.html>

Write about **dogs' noses** for 10 minutes. Read and talk about your partner's paper.
