Обзорная панель / Мои курсы / Английский язык для профессиональных целей. Весна._1

Unit 1. The Internet of Things (Интернет вещей) / Discussion 1

Тест начат	Воскресенье, 11 февраля 2024, 14:29
Состояние	Завершенные
Завершен	Воскресенье, 11 февраля 2024, 14:52
Прошло времени	23 мин. 8 сек.
Баллы	12,00/12,00
Оценка	10,00 из 10,00 (100%)

Вопрос **Инфо**

1. Imagine 'the Internet of Things'. Answer the following questions.

1. The term 'Internet of Things' was coined by the British technologist Kevin Ashton in 1999. If you were Kevin Ashton how would you call the Internet of Things?

2. Some mention one trillion Internet-connected devices by 2025 and define mobile phones as the 'eyes and ears' of the applications connecting all of those connected things. Do you think the mobile phone will remain the only device that will control all the connected things?

3. It is supposed that the Internet of Things with its huge smart machines interacting and communicating with other machines, objects, environments and infrastructures can 'command and control' things and make life much easier for human beings . What is your point of view?

4. They say in the future when IoT becomes a reality there will be a lot of things called smart. For example, there will be smart parking, smart energy, smart cars, smart homes, smart health and so on. What capabilities may these things have?

5. Some services offered today have features of IoT. Can you give an example of such services?

Вопрос **Инфо**

2. Pair work. Talk about the following.

Students A strongly believe it will be good to live with the Internet of Things in the future.
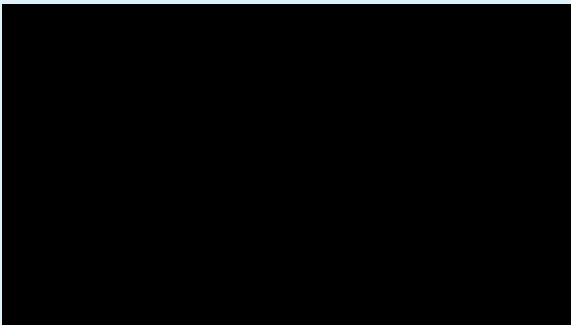
Students B strongly believe the opposite.

Вопрос 1
Верно
Баллов: 12,00 из 12,00

3. Watch this video, read and fill in the gaps with the phrases in the table.

estimated by	completely filled with sensors	to predict what you want	50 billion objects	to crank up the heat	us due to these
climate control	smartphone technology	altering reality	on the calendar app	even be aware of	real physical objects

Your next refrigerator may know more about diet than your doctor.

How many objects do you have that are connected to the Internet? About a decade ago you probably would have said one or maybe two if you were an early adopter of (1) smartphone technology ✔ . But today, oh, well I've got a work computer, I've got a personal computer, I've got a tablet, I've got a smartphone, I've got a video game console, I've got a media player, I've got a smart TV, I even have a smart refrigerator. Now extend this trend outward and what do we get? Well it's estimated by 2020 there will be (2) 50 billion objects ✔ connected to the Internet.

Now that's billion with a "B." It's also (3) estimated by ✔ the US Census Bureau that there will be 7.6 billion people alive at that time. So that means that for every person there will be 6.6 objects connected to the Internet. We're talking about a world blanketed with billions of sensors. These sensors are taking information from (4) real physical objects ✔ that are in the world, and uploading it to the Internet. It's a world where your environment transforms as you walk through it, because technology that you may not (5) even be aware of ✔ is monitoring your every move. It's a world that's constantly changing all around (6) us due to these ✔ sensors and the Internet and we call it the Internet of Things.

Let's stroll into the living room of the future. Now immediately this room identifies you and taps into a cloud based profile of preferences like (7) climate control ✔ , music, lighting and decor. Had a long day at work? The room knows based (8) on the calendar app ✔ on your phone and biosensors that detect the stress via blood pressure and heart rate. So it turns off the rockabilly surf guitar you usually listen to, and switches to a more soothing classical music.

From environmental sensors outside and maybe even worn within your clothing itself, it knows it was snowing earlier, so the climate control begins (9) to crank up the heat ✔ in anticipation as your walk through the door.

Now on the software side we're talking about algorithms that are so sophisticated, they may be able (10) to predict what you want ✔ before you know you even wanted it. So when you walk to the refrigerator, it

tells you not only what's in there, it tells you what you can make with the stuff you already have. And it's already telling you what's inside and what's the perfect meal based upon your mood, your activity level, and maybe even, well, your weight loss plan for some of us.

As for how many objects could be connected to the Internet? Well, consider this. The latest version of Internet protocol, IPV6, creates more potential addresses than there are atoms on the surface of the Earth. So we're going to live in a world (11) ┌─────────────────────────┐ ✔ with data reacting to us, changing every moment
│ completely filled with sensors │
└─────────────────────────┘
dependent on our needs. I'm no longer going to be asking you "Hey, what's your favorite color? What's your favorite music?" I'm going to ask you, "What's your reality like?" I know what mine is when I walk into my house, how the world reacts to me. But how does it react to you?

This is more than philosophy. It's more than technology. It's (12) ┌─────────────┐ ✔ as we know it. And it's
│ altering reality │
└─────────────┘
all regulated by the Internet of Things.

Вопрос **Инфо**

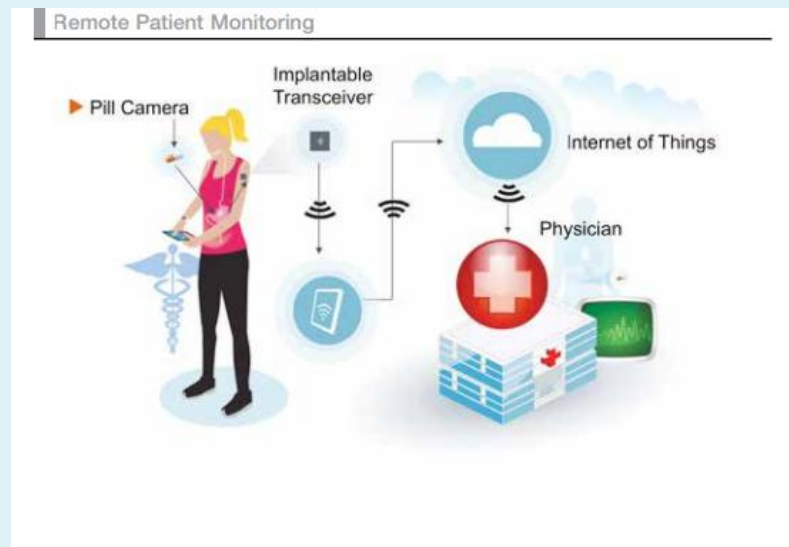## 4. Discuss these questions in pairs and then in class.
1. How many objects connected to the Internet did you have 10 years ago?
2. How many things connected to the Internet do you have now?
3. Do you trust connected devices?
4. What will the world be like when the Internet of Things becomes a reality?
5. What role will sensors play in the Internet of Things?
6. How many things could be connected to the Internet?
7. What might our living room be like with the Internet of Things?
8. What may our dining room be like with the Internet of Things?
9. Would you like to live in such a world where everything and, perhaps, everyone is regulated by the Internet of Things? Why (Why not)?
10. If you met a person of the future what questions concerning IoT would you ask him/her?
11. What does the Internet of Things mean in a practical sense for a citizen of the future?
12. What will come after the Internet of Things?
13. What could go wrong with the Internet of Things?

Вопрос **Инфо**

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5. Write five questions about the Internet of Things. Do this in pairs. When you have finished, interview other students.

Вопрос **Инфо**

6. Look at the picture and speak about the way the remote patient monitoring will be done in the future. Speak not less than 10 sentences.

ПРЕДЫДУЩИЙ ЭЛЕМЕНТ КУРСА

◄ Check Point 1

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