

Lesson 5. READING pp. 134-136 How the IoT Is Changing Our Future

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Group	Role	Name
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Learning Objectives | 주제문, key expressions, 글의 전개 방식 이해, 내용 확인 문제 풀기, 모둠친구들과 함께 하기!

<p>Smart Healthcare</p> <p>Are you wearing a fitness tracker or a smartwatch right now? Then you're already participating in smart healthcare. These IoT wearable devices track and analyze your vital signs, such as your heart rate and body temperature, to help you reach your fitness goals or keep healthy. For instance, if your wearable device notices a change in your body temperature, it can warn you that you (A)[will soon be coming/will soon come] down with a cold.</p> <p>Along with (B)fitness lovers, people suffering from diseases can also benefit from IoT wearable devices. For example, a continuous *glucose monitor (CGM) is a small wearable device for diabetic patients. To use it, patients must insert a disposable sensor under their skin. Throughout the day, the sensor tracks the patients' blood sugar levels and transmits that data to their smartphones. This allows patients to adjust their lives around their diabetes. (C)When this data is paired with the appropriate software, doctors can also use it to advise their patients accordingly.</p> <p>Smart City</p> <p>If our homes and devices are smart, why not our cities too? Barcelona is a great example of a city working toward (D)that goal. In order to improve the efficiency of the city's street lamps through IoT technology, a strategy called the Barcelona Lighting Master Plan has been implemented. Merely two years after the plan was first launched, over 1,100 lamps have been transformed into smart lamps equipped with LED lights. These lamps stay bright when people walk by / but darken when no one is nearby. Moreover, they also serve as free Wi-Fi hotspots and monitor the city's air quality by using sensors. These improvements have enhanced the efficiency of the city and resulted in an approximately 30% reduction in energy usage as well.</p>	<p style="text-align: center;">While reading Qs</p> <p>* 틀린 것은 바르게 고치기</p> <ol style="list-style-type: none"> 빈 칸에 알맞은 단어를 지문에서 찾아 채우시오. () devices can be worn by a consumer and include ()ing information related to fitness. 건강 추적기나 스마트 시계는 ()과 체온과 같이 ()을/를 추적하고 분석하여 () 목표를 달성하거나 ()을 유지하도록 돕는다. (A)의 두 표현 중 장비의 신뢰성이 높아지는 경우와 그 이유는? 다음 중 (B)fitness의 영영사전 정의에 해당하는 것은? <ol style="list-style-type: none"> 1) the condition of being physically strong and healthy 2) how suitable someone or something is 3) activities relating to keeping healthy and strong, especially through exercise 착용형 사물인터넷 기기의 효과를 얻을 수 있는 두 부류의 사람들을 지문에서 찾으시오. CGM은 단일 시점에 대한 환자의 혈당 수치를 제공한다. T / F CGM을 삽입하는 것만으로도 당뇨 환자를 관리하는 의사가 원격 진료를 할 수 있다. T / F (D)that goal이 의미하는 것은? A () () 바르셀로나 조명 종합 계획의 목표는? Barcelona's smart lamps adjust their brightness depending on external lighting conditions. T / F 스마트 램프의 기능 3가지와 이들이 갖는 의미(의의)를 쓰시오. 기능: 의의:
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읽글을 읽고 다음의 질문에 답하시오.

1. 밑줄 친 (C)문장에서 추론 할 수 있는 사물인터넷에 필요한 장비의 작동 원리를 132페이지에서 찾아 적고 설명하시오.

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