

## TIẾNG ANH 10

GIÁO VIÊN: NGUYỄN NGỌC ANH

## UNIT 5: READING

ĐĂNG KÍ CHƯƠNG TRÌNH HỌC TRỰC TUYẾN TẠI VINASTUDY.VN OUA 0932.39.39.56

**Ex 1: Read the text about three machines you can buy to make your life easier, and then answer the questions. There may be more than one answer for some questions. You can write A for the vacuum cleaner, B for the smart fridge, and C for the control system.**

### The Three Most Intelligent Machines For Your Home

#### A. The Smoothline D838 Robot Vacuum Cleaner

Do you like housework? No? Then this new robot vacuum cleaner is the machine for you. It can clean your living room automatically. It has a computer which tells it to go around objects such as chairs and table legs as it cleans your floor. And if a person - or your pet dog or cat - comes too close, it stops automatically.

#### B. The FZ Smart Fridge

A fridge which tells you what it has got inside and gives you ideas about what to cook for dinner! A visual display shows you what is inside the fridge - you don't even have to open the door; and the fridge can also tell when food is too old to use. And if you haven't got any ideas about what to cook for your family this evening, just touch the computer screen on the door of the fridge and you can look at over a thousand of your favourite recipes. You can also use it to send emails and to surf the Internet!

#### C. The Ultimate Power Control System

How many remote control units do you have in your house - for the TV, the DVD player, home audio? Now you can control everything in your house - from a light in the bedroom to your front door - using just one special remote control unit. It works with radio signals, so you can do everything in your house without getting out of bed. You can even surf the Internet, send emails, watch videos or listen to music with the Ultimate Power Control System's video screen.

*Which machine(s) \_\_\_\_\_.*

1. can help you to control the electric system
2. can help you to surf the Internet, send emails
3. help you to make your house clean
4. can help you to watch videos or listen to music
5. can help you perform some tasks without leaving your place
6. can recognize the obstacles
7. can recommend you the daily menu
8. can help you to know the contents inside
9. may be friendly to people and pets
10. can help you to avoid something harmful

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**Ex 2: Read the passage carefully, and do the tasks that follow.**

### Li-Fi Technology

Li-Fi technology is a new technology that transmits signals as light instead of radio waves. In urban areas where Wi-Fi networks become congested and there is a lot of noise in the signals, this technology is something that can be of immense use to an individual. The basic requirement of this technology is the availability of light!

Light is also an electromagnetic wave like radio waves. The only difference is that the former has the ability to transmit data almost ten thousand times faster than the latter! The basic process is quite simple to understand. An LED light bulb, any one at all, can be flicked on and off in order to be able to generate signals. A light sensor on a device picks up the digital information sent by the LED, which enables it to be processed by a computer.

The question is whether anyone wants to go through the annoying experience of sitting under a flickering light bulb. This is the interesting part. The technology is focusing on making sure that the light bulb is flickered up to billions of times a second! At that rate, the human eye simply cannot notice the light bulb being flicked on and off.

However, everything comes with a disadvantage. The major disadvantage here is the fact that these signals cannot penetrate walls. So if you want to move from one room to another, you will need to have a wired bulb present in that room as well!

An Estonian startup company called Velmenni took the technology out of the laboratories and brought it into the real-world offices, and industrial environments in Tallinn for the first time.

Overall, this sounds like quite a development in the field of communication technology.

**Task 1: Match a word/phrase in the left column with its definition in the right column, writing the answer in each blank.**

_____ 1. congested (adj)	A. go through something
_____ 2. immense (adj)	B. make electrical equipment start/stop working
_____ 3. flick something on/off (v)	C. too crowded and causing difficulties
_____ 4. penetrate (v)	D. extremely large in size or degree

**Task 2: Read the passage, and then decide whether the statements are true (T) or false (F).**

5. Li-Fi is similar to the Wi-Fi except that it uses light waves instead of radio waves.
6. The speed generated by Li-Fi can be up to ten thousand times greater than the average Wi-Fi.
7. No one wants to go through the annoying experience of sitting under a flickering light bulb.
8. It is convenient for you to use Li-Fi to transmit signals when you move to various rooms in the building.
9. The technology of Li-Fi has several advantages in theory, but we cannot put it into practice.
10. It can be inferred that Li-Fi is ideal for high density coverage in a confined region.

**Ex 3: Read the passage carefully, and do the tasks that follow.**

#### Amazing New Inventions

Every year, more and more amazing things are invented. Here are three of our favourites of this year.

##### **A Fukuda's Automatic Door**

Can you imagine a door that fits around your body as you walk through it? Fukuda's Automatic Door was designed in Japan by an inventor named Rikiya Fukuda. It automatically identifies movement and only opens just enough to match the shape of the person or object coming through. So, what are the advantages? It saves energy by helping to keep the same temperature in a room. It can also prevent dirt and other materials from being carried inside. As well as people, the Automatic Door works for small objects, like packages delivered to a post office, or for large things, such as a car coming through a garage door.

##### **B The Hand Roll Piano**

Travelling musicians will be happy with this invention. The Hand Roll Piano was invented by the Japanese company Yamaha Music. What makes it different is that it can be rolled up like a blanket. This makes it easier to carry and easier to store. The keyboard is 100 cm long but weighs just 1 kg. It has 61

very thin keys and is made of rubber. It's convenient to carry, but it's also a great instrument. The piano can be played for up to 15 hours on standard batteries. It has more than 100 sounds and its own speaker.

### C The LifeStraw

Today, more than one billion people in the world do not have safe water. However, it's been discovered that for the price of a cup of coffee, a life can be saved. The LifeStraw, which costs just \$3, is a device for purifying water. It is able to turn dirty water into drinking water. The drinking straw was designed by the Swiss-based company Vestergaard Frandsen. It uses seven types of filter to make water clean enough to drink. It can prevent illnesses and it can also create safe drinking water for victims of hurricanes, earthquakes or other disasters.

**Task 1: Match the descriptions (1-3) to the inventions (A-C). There is one description you do not need. Write the answer in each blank.**

- \_\_\_\_\_ 1. It's an invention that saves lives.  
 \_\_\_\_\_ 2. It's a device that knows when you're coming.  
 \_\_\_\_\_ 3. It makes entertaining easier.

**Task 2: Read the text again and say which section (A-C) mentions**

1. \_\_\_\_\_ an object that is surprisingly light.  
 2. \_\_\_\_\_ something that was invented in Europe.  
 3. \_\_\_\_\_ a very cheap invention.  
 4. \_\_\_\_\_ a way of keeping a place cleaner.  
 5. \_\_\_\_\_ an invention that recognizes size.  
 6. \_\_\_\_\_ people who need to carry their equipment.

**Task 3: Match the words from the text to their definitions. Write the answer in each blank.**

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|------------------------|--|
| _____ 1. automatically | A. the part of a radio, TV, etc. where the sound comes out |
| _____ 2. packages      | B. something that takes out dirt and germs                 |
| _____ 3. blanket       | C. describing an action that happens by itself             |
| _____ 4. speaker       | D. a cover that you put on a bed                           |
| _____ 5. filter        | E. things that are wrapped for sending to somebody         |