

# Medical advances

**Vocabulary**

1 Make pairs of words with similar meanings and match them with the correct definitions. The first one is done for you.

**apparatus artificial equipment  
fund prosthetic sponsor**

Words with similar Definitions	meanings	
1 describes an object that is manufactured by humans	<u>artificial</u>	<b>prosthetic</b>
2 tools or machines that have a particular purpose	<b>apparatus</b>	<b>equipment</b>
3 to pay for	<b>fund</b>	<b>sponsor</b>

2 Choose the correct verb to complete the collocations. Then, write two sentences of your own, using two collocations of your choice. The first one is done for you.

- 1 catch / take someone's attention
- 2 get / catch an idea
- 3 take / get an interest in something / somebody
- 4 spend / do time doing something
- 5 make / attend a course

- 1. The boy **caught the attention** of the sheikh with his invention.
- 2. Adeeb **got the idea** of a waterproof prosthetic leg while....
- 3. Adeeb **will spend time** with his relatives in Germany.
- 4. Sheikh **took an interest** in the boy.
- 5. He **attended a course** on prosthetic limbs.

3 Use the words in the box to complete the sentences. One word is not needed. The first one is done for you.

**helmet inspire monitor  
reputation risk seat belt self-confidence tiny waterproof**

- 1 You can wear your watch when you go swimming if it's **waterproof**.
- 2 It's amazing how huge trees grow **tiny** from seeds.
- 3 The Olympic Games often **inspire** young people to take up a sport.
- 4 Please hurry up. Let's not **risk** missing the bus.
- 5 You must always wear a **seatbelt** in a car, whether you're the driver or a passenger.
- 6 When my grandfather had a heart attack, the doctors attached a special **monitor** to his chest.
- 7 It's important to encourage young people and help them develop **Self confidence**.
- 8 Petra has a **reputation** as a fascinating place to visit.

## Grammar

4 There is one mistake in the verb tenses in each of the four conversations below. Underline the mistake and rewrite the verb in the correct tense.

1 A: What do you think you **will be doing** in two years' time?

B: I think I **will be living** in Karak, and I **will study** Geography.  
*Will be studying*

2 A: Don't phone me **at seven**. I'll **have** dinner with my family.

B: OK, I'll phone at nine.  
*Will be having*

3 A: What time will you get here **tomorrow**?

B: At about three, I think. I'll **be texting** you the exact time later.  
*Will text*

4 A: Please be quiet when **you come** home tonight. The baby **will sleep**.

B: Don't worry. I won't forget.  
*Will be sleeping*

## Vocabulary

5 Replace the words and phrases in **bold** with words from the box. One word is not needed.

a coma dementia medical trials  
pills symptoms

1 Doctors look at the **signs of illness** before they decide how to treat the patient.  
*symptoms*

2 Before doctors prescribe drugs to patients, scientists perform **special tests** to make sure the drugs are safe.  
*Medical trials*

3 After Ali's accident, he lay in **an unconscious state** for two weeks.  
*Coma*

4 My grandfather has to take a lot of medicine – he takes six different **tablets** every day.

*Pills*

## Speaking

6 Read the following sentences, then talk about yourself. Use **hope, plan** and **intend**.

- I **intend** to study Medicine at university. Then I **hope** to work in hospital near my home town.
- I **hope** to be an engineer one day. I'm **planning** to get some work experience before I go to university.
- I **hope** to do well in my exams this year. Then I **intend** to go to university and study Archaeology.
- I **plan** to go abroad when I leave school. I **intend** to improve my English. Then I **hope** to return to Jordan and get a good job.

## Grammar

7 Complete the text with the correct form of the verbs in the box. The first one is done for you.

going to + do   going to + miss  
going to + take   will + have  
will + stay   will + tell

Rami **has broken** his leg. It (1) 's going to take a long time to get better. He

(2) Will stay in hospital for at least two weeks, and he

(3) Will have his leg in plaster for much longer. Rami

(4) Is going to miss a lot of lessons at school, but he (5) Is going to do

some work while he's in hospital, and he also hopes his friends

(6) Will tell him about the lessons he has missed.

People can hold or carry objects, clean the dishes. It has a psychological effect → feel normal. Problems → can't feel if objects are soft or cold.

## Reading

- 8 In your opinion, in what ways would a **prosthetic hand** improve someone's life? What problems might it cause?
- 9 Read the article below and choose the best title.
- A** Accident victim invents hand that can feel  
**B** Accident victim gets amazing new hand.  
**C** Accident victim tests first artificial limb.

Scientists have successfully invented a prosthetic hand with a **sense of touch**. It is an exciting new invention, which they **plan to develop**. It is possible that, in the not-too-distant future, similar **artificial arms** and legs **will have taken** the place of today's prosthetic limbs.

- Dennis Sorensen, a 39-year-old from Denmark, was the first person to try out the new invention. After losing his left hand in an accident, he **had been using** a standard prosthetic hand **for nine years**. The new hand, **which was developed by Swiss and Italian scientists**, was a huge improvement.
- 15 With it, Sorensen **could not only pick up and manipulate objects, but he could also feel them**. 'When I held an object, I could feel if it was soft or hard, round or square,' he explained. He said that the sensations were almost the same as the ones he felt with his other hand.

- Unfortunately, Sorensen was only taking part in trials, and the equipment is not ready for general use yet. **He was only allowed to wear it for a month**, for safety reasons. So now he has his old **artificial** hand back. However, he **hopes** that soon he **will be wearing** the new type of hand again. He is looking forward to the time when similar artificial limbs are **available** for the thousands of **people who need them**. He **will have helped** to transform their lives.

- 10 Read the article again and answer the questions.

1 Who invented the new prosthetic hand? What is special about it?

**Swiss and Italian scientist invented the new prosthetic hand; it allows the wearer feel objects.**

2 Why does Dennis Sorensen need a prosthetic hand?

**Because he lost his left hand in an accident.**

3 Which hand is he wearing now? Why? **He is wearing his old artificial hand, because the new hand is not ready for general use.**

4 Who do the bold pronouns 'I' refer to in line 17?

**Dennis Sorensen**

5 Find a word that is the **opposite of 'natural'** in the first and third paragraphs.

## Artificial Grammar

- 11 Complete the sentences in the Future Perfect or the Future Continuous. The first one is done for you.

1 Next month, we / live / in this house for a year. Let's celebrate!

Next month, we **will have lived** in this house **for a year**. Let's celebrate!

2 Next Monday, I / work / in my new job.

**Next Monday, I **will be working** in my new job.**

3 you / do / all your homework **by** eight o'clock?

**Will you have done** all your homework **by eight o'clock?**

4 It's three o'clock now, so Miriam's flight / arrive / at Queen Alia International Airport.

**Miriam's flight **will have arrived** at .....**

5 you / meet us / at the library this afternoon?

**Will you be meeting us at the library this afternoon?**

6 You can borrow this book tomorrow. I / finish / it by then.

**I **will have finished** it by then.**