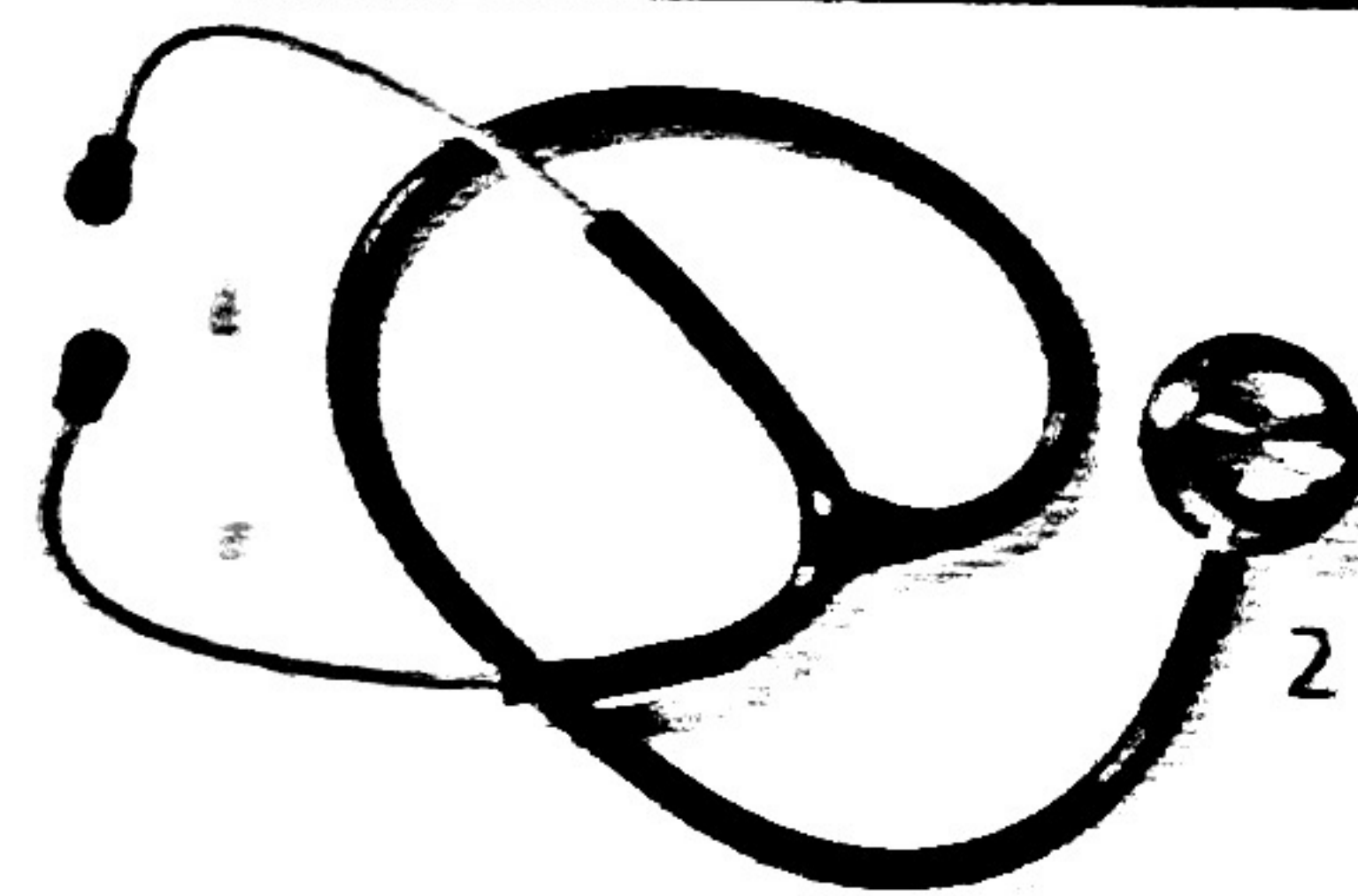
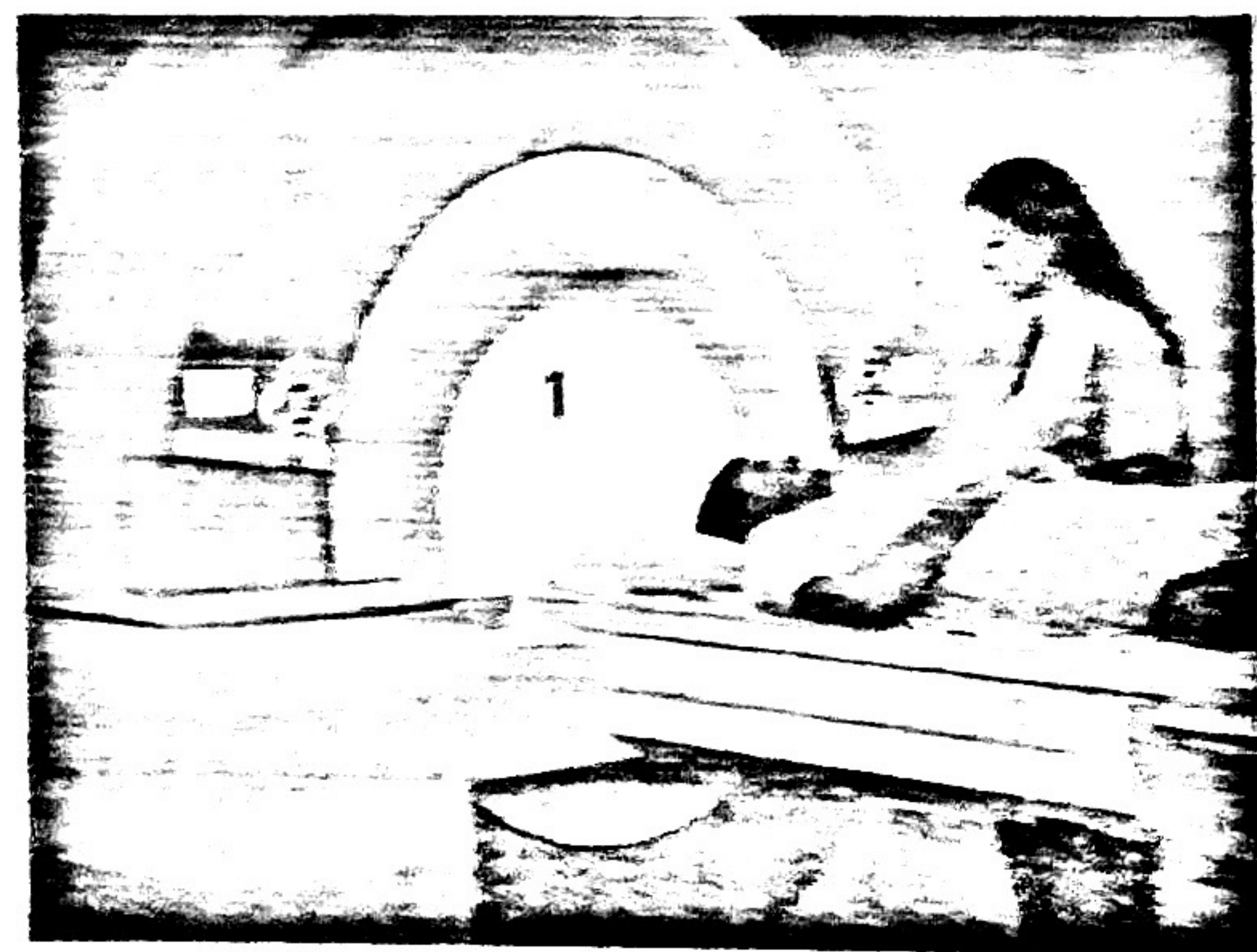


30 I can describe medical advances 🎧

A revolutionary era in medical advances

In recent **decades**, we have witnessed radical changes in **conventional** medicine:

- Fifty years ago, **scanners** did not exist. **Diagnostic** tools were **restricted** to **stethoscopes**² and basic x-ray machines.
- Until recent years, children were **prone** to certain infectious diseases, for which there was no effective **cure**. **Vaccines** have almost **eradicated** some of these **conditions**.
- In the past, if you needed a major operation, you would be **confined to bed** for weeks. Today many operations use less **invasive procedures**, requiring day surgery only.
- In the past, the **mortality rate** for patients with **organ** failure, such as heart, lung, or kidney failure, was 100 per cent. Today, **transplants** can allow patients to **resume** a normal life.
- The **survival rate** for many cancers has improved considerably over recent decades, due to the development of **chemotherapy** to treat the condition.



Glossary

era	a period of time that has a particular quality or character.
advance(s) (in sth)	progress made in science, medicine, technology, etc.
decade	a period of ten years.
conventional	usual or traditional; not new or different. convention N.
diagnostic	used for finding out what physical or mental problem sb has. diagnose V. diagnosis N.
restrict sth (to sth)	limit the size, number, or amount of sth. restriction N.
prone to sth	likely to suffer from sth (also accident-prone).
cure	a medical treatment that makes a sick person well again. cure V. curable ADJ. OPP incurable .
vaccine	a substance which is put into the blood and protects the body from disease (the process of giving vaccine is vaccination N). vaccinate V.
eradicate sth	destroy or get rid of sth (bad) completely. syn wipe sth out .
condition	a long-term illness or medical problem.
be confined to bed / a wheelchair	have to stay in bed / a wheelchair.
invasive	(of medical treatment) involving cutting of the body. invasion N. invade V.
procedure	a medical operation or investigation (carry out / perform a procedure).
organ	a part of the body that has a particular purpose, such as the heart or brain.
transplant	an operation in which a damaged organ is replaced with one from a donor (= sb who gives part of their body, blood, etc.). transplant V.
resume sth	FML begin sth again after an interruption. resumption N.
chemotherapy	the treatment of diseases, especially cancer, by drugs.

rate

A **rate** is a measurement of the number of times something happens within a period, e.g. the **mortality/death rate** is the number of people dying; the **survival rate** is the number of people continuing to live despite a serious illness. **The birth rate rocketed.** = The number of babies born rose sharply. **The accident rate plummeted.** = The number of accidents fell sharply.

1 Complete the table.

Noun	Verb	Adjective
	invade	
	cure	
	resume	xxxxxx
convention	xxxxxx	

Noun	Verb	Adjective
vaccine,		xxxxxx
diagnosis		
	transplant	xxxxxx

2 Write *yes* or *no*.

- 1 If a disease is wiped out, does it mean it has been restricted?
- 2 Does an organ donor receive an organ from someone else?
- 3 If you're prone to injury, are you more likely to be injured than most people?
- 4 If you have a disease which is diagnosed, does it mean you are better?
- 5 Is flu usually described as a medical condition?
- 6 Are we living in a technological era?
- 7 If your dentist takes your tooth out, is it usually an invasive procedure?
- 8 Has heart disease been eradicated in the world?
- 9 If something plummets, does it go down?
- 10 If the accident rate rockets, is that a good thing?

3 Match 1–10 with a–j.

- | | |
|---|------------------|
| 1 They have been doing research on the disease for a | a chemotherapy. |
| 2 There's a prize for the most important technological | b decade. |
| 3 After the operation, she was confined | c transplant. |
| 4 My sister is prone | d incurable. |
| 5 I needed to know the current survival | e to depression. |
| 6 The surgeons had to perform a delicate medical | f prone. |
| 7 His life was saved thanks to an organ | g rate. |
| 8 Cancer treatment is often in the form of | h to bed. |
| 9 It's her third cycling injury; she's really accident- | i advance. |
| 10 Sadly, this disease is thought to be | j procedure. |

4 Complete the dialogues.

- 1 A The brain disease meningitis C has been _____, I believe.
B Yes, it's been almost completely _____. That's brilliant news.
- 2 A In some areas, lung cancer treatment is _____ to non-smoking patients only.
B Yes, I think that may be true for patients needing an organ _____ as well.
- 3 A The government has a policy to _____ the elderly against flu.
B I know, but there's often a shortage of the appropriate _____ when it's needed.
- 4 A I'm not in favour of drug treatments; I just don't trust _____ medicine.
B Really? But there have been some fantastic _____ in drugs in the last few years.
- 5 A The mortality _____ in the UK has been falling since the 19th century.
B That's true. _____ rates have improved particularly among the very young.
- 6 A The surgeons had to _____ a highly invasive procedure on Jason.
B Yes, he was _____ to bed for ages, but he's recovering well, thank goodness.

33 I can discuss health services

A Healthcare services

Healthcare services: frequently asked questions

- ▶ How do I **register with** a GP?
- ▶ How do I get a **referral** to a specialist?
- ▶ Can I request a **second opinion**?
- ▶ Are medical records strictly **confidential**?
- ▶ What if I suspect medical **negligence**?
- ▶ How do I **access out of hours** care in my area?
- ▶ Can I get **cosmetic surgery free of charge**?
- ▶ How can I **get hold of** data about **clinical trials**?
- ▶ Is **complementary medicine** freely available?

Glossary

register (at/for/with sth)	put your name on an official list (enrol = register to join a course, school, etc.).
referral	the act of sending sb to get professional help (be referred to sb).
second opinion	advice from another person (i.e. not the original doctor).
confidential	meant to be kept secret (strictly confidential). confidentiality N (protect patient/client confidentiality).
negligence	fml failure to give proper care or attention. negligent ADJ.
access sth	fml reach, enter, or use sth (gain/have access to sth).
out of hours	when a surgery, office, etc. is closed.
cosmetic surgery	medical treatment intended to improve sb's appearance (surgical repair after accidents, burns, etc. is called plastic surgery).
free of charge	If sth is free of charge it costs you nothing.
get hold of sth	find or obtain sth (get hold of sb = find or contact sb).
clinical trial	a piece or period of research on the effectiveness or safety of drugs or treatment.
complementary medicine	treatments that are not part of traditional Western medicine. e.g. acupuncture.

1 Make six phrases from the box.

protect someone's get hold clinical enrol strictly cosmetic
 on a course surgery of something confidential confidentiality trial

2 Complete the text.

When you move to a new area, you need to (1) _____ with a doctor. With most surgeries, if you need out of (2) _____ care and your doctor is not available, there will be an answerphone message, and you will be (3) _____ to another doctor. If you have a serious problem which involves seeing a specialist, you can get a (4) _____ by asking your GP to write to the hospital. If you aren't happy with the specialist's diagnosis, ask for a second (5) _____. You can gain (6) _____ to your medical records at your GP's surgery. All health care is free of (7) _____, even plastic (8) _____ if it is for medical reasons, and some surgeries also make use of complementary (9) _____. If you are unhappy with your treatment and suspect medical (10) _____, you should speak to the medical staff first before taking any further action.

3 ABOUT YOU Answer the questions at the top of the page about your health service.

B In hospital: patients' experiences 🎧

The nursing staff immediately **put me at my ease** and I was **kept informed** at all times.

Sister Ann's ward was **spotless**, and everything was done with **meticulous** care. **Nothing was too much trouble**.

I had **keyhole surgery** on my knee; apart from a **mix-up** over my notes, the treatment was **second to none**.

I know staff were **rushed off their feet**, but no one **took any notice of** my calls for help.

I was **admitted** to the ward, seen by a **junior** doctor, then nothing happened for two days!

spotlight A stay in hospital

If you need medical care, you may be **admitted to hospital** (= taken there and treated). After treatment, you are **discharged** (= given permission to leave). Then you may go home to **convalesce** (= spend time recovering). **convalescence** N. SYN **recuperate**. **recuperation** N.

Glossary

put sb at (their) ease	make sb feel relaxed and not nervous.
keep sb informed	continue to give sb information about sth.
spotless	perfectly clean (also spotlessly clean). SYN immaculate .
meticulous	paying careful attention to every detail. SYN fastidious .
nothing is too much trouble	= sb is always ready to help.
keyhole surgery	a medical operation in which only a very small cut is made in the body.
mix-up	INF a situation full of confusion due to a mistake. SYN muddle .
second to none	If a treatment is second to none , it is the best.
rushed off your feet	extremely busy, with too many things to do.
take (no) notice of sb/sth	pay (no) attention to sth/sb.
junior	having a low rank in an organization or profession. OPP senior .

4 Is the meaning the same or different? Write S or D.

1 There was a bit of a mix-up.	There was a bit of a muddle.	
2 The doctor ignored me.	The doctor took no notice of me.	
3 The treatment was second to none.	The treatment was inferior.	
4 She convalesced at home.	She recuperated at home.	
5 Nothing was too much trouble.	The care was too much trouble.	
6 The rooms were spotless.	The rooms were immaculate.	
7 When were you discharged?	When were you admitted?	
8 Did they put you at your ease?	Did they make it look easy?	
9 She's meticulous about cleaning.	She's fastidious about cleaning.	

5 Complete the sentences with a suitable word.

ABOUT YOUR COUNTRY

- In hospital, patients are always _____ informed about their treatment. _____
- Keyhole _____ is increasingly common these days. _____
- Staff in hospitals are _____ off their feet all the time. _____
- There are more senior doctors than _____ doctors. _____
- All the wards in our local hospital are _____ clean. _____
- Recuperation (or _____) always takes place at home. _____

6 ABOUT YOUR COUNTRY Are the statements in Exercise 5 true about your country? Write your answers or ask another student.

Review: Institutions

Unit 33

1 Complete each dialogue with a suitable word.

- 1 Can I see his medical records? ~ No, they're strictly
- 2 I don't trust that consultant. ~ Why don't you get a second?
- 3 Is there a large scar? ~ No, it was done with keyhole
- 4 Was the hospital ward clean? ~ Yes, it was absolutely
- 5 Is there any worthwhile data on this? ~ Yes, they've done clinical
- 6 Will they contact you about Pat? ~ Yes, they said they'd keep me
- 7 Can you go straight to a specialist? ~ No, you see your GP and get a
- 8 Is she still in hospital? ~ No, she's been
- 9 Has he left hospital? ~ Yes, but he needs time to
- 10 Were you busy? ~ Yes, we were rushed off our

2 Answer the questions.

- 1 What's the opposite of *senior*?
- 2 What's the opposite of *be discharged from hospital*?
- 3 What's the medical treatment intended to improve someone's appearance?
- 4 What's a synonym for *recuperate*?
- 5 Acupuncture and homeopathy are examples of what kind of medicine?
- 6 What's a synonym for *meticulous*?
- 7 What's a synonym for *a muddle*?
- 8 *Pay no attention to something* is the same as '..... no of something'.

A Z more words: *antenatal, postnatal, overstretched, inpatient/outpatient, intensive care, biopsy, in a critical condition*

Unit 30

1 Circle the words that are possible. One, two, or three may be possible.

- 1 Modern medicine has transplanted / eradicated / wiped out many diseases.
- 2 The doctors had to perform a very evasive / invasive / persuasive procedure.
- 3 He was confined to bed / a sofa / a wheelchair.
- 4 It was a significant era / decade / period in medical science.
- 5 The doctors have managed to limit / restrain / restrict the spread of the disease.
- 6 It's a serious medical condition / illness / situation.
- 7 After an operation it can take time to presume / perform / resume a normal life.
- 8 The heart is one of the vital aspects / parts / organs of the body.

A Z more words: heart **bypass**, radiotherapy, **alternative** medicine, hip/knee/shoulder **replacement**, general/local **anaesthetic**, **administer** drugs/medicine