

Among the painkillers .....(4)  
over the counter, paracetamol is very .....(5)  
thanks to its .....(6) safety and few  
interactions with other medicines. It does not, however, reduce  
inflammation which is often the cause of pain. Non-steroidal  
.....(7) drugs (NSAIDs) like aspirin,  
ibuprofen, or diclofenac reduce both pain and inflammation, but not  
everybody can take them. Firstly, they have many contraindications  
and secondly, they interact with some groups of medication. Their  
.....(8) use in healthy adults is deemed  
.....(9), however.

Opioids like tramadol, codeine, or morphine are .....  
.....(10) analgesics, but because of their many  
.....(11) effects they are prescription-only  
medication. Their .....(12) use can cause  
physical dependence.

**acute** ostry  
**analgesic** lek przeciwbólowy  
**anti-inflammatory**  
przeciwzapalny  
**aspirin** ['asp(ə)rɪn] aspiryna  
**codeine** ['kəʊdi:n] kodeina  
**contraindication**  
przeciwwskazanie  
**dependence** uzależnienie  
**diclofenac** [dɪl'klɒfənək]  
diklofenak  
**diverse** zróżnicowany  
**general** ogólny  
**inflammation** zapalenie  
**morphine** ['mɔ:fi:n] morfina  
**relief** ulga  
**tramadol** ['træmədɒl] tramadol

**19** Names of medicines in different languages, even if written in a similar or identical way, may have different pronunciation. Fill in the table.

	Medicine	Number of syllables pronounced	Syllable stressed (e.g. 1st, 2nd, etc.)
1	paracetamol		
2	aspirin		
3	ibuprofen		
4	diclofenac		
5	tramadol		
6	codeine		
7	morphine		

**20** Fill in the gaps. The first letters of the missing words have already been written.

- Suppositories are a rectal d..... form.
- D..... the tablet in water and drink the solution.
- C..... are easier to swallow than round tablets.
- Do you prefer tablets or n..... drops?
- Place the tablet under the t.....
- S..... tablet should split easily.
- Non-steroidal anti-i..... drugs are recommended for mild and moderate p.....
- Paracetamol tablets are available over the c.....
- A dosage form consists of a..... substances and e..... like bulking agents, lubricants, solvents, or preservatives.

## 10 Read the dialogue and answer the questions.

1. How does the pharmacist make sure that she is giving the medication to the right person?
2. How many levothyroxine tablets has Ms Bowden been prescribed?
3. Why was she prescribed hormone replacement therapy?
4. What is the dosage form of the HRT?
5. How should it be used?

‘Prescription for Ms Bowden!’

‘Here, that’s me.’

‘Can you confirm your full name and address, please?’

‘It’s Constance Bowden, 12 Willow Road.’

‘That’s right. Ms Bowden, we don’t have the full amount of your levothyroxine tablets. Is it OK if we owe you some?’

‘How many have you got?’

‘Fifty-six. We would still owe you a pack of twenty-eight.’

‘That’s fine. When can I collect it?’

‘I’ve already ordered it so the tablets should be here tomorrow. You can collect them anytime within six months, just bring this owing slip with you. Another thing is, our records say you’ve been prescribed HRT for the first time.’

‘Yes, Dr Patel wanted me to try it for my night sweats.’

‘I just want to make sure you know how to use it.’

‘I was told to apply one twice a week.’

‘That’s right. Stick it somewhere on the trunk below the waist. Don’t use the same spot twice in a row.’

‘What happens when I take a shower?’

‘Just leave it on.’

**levothyroxine**

[ˌlɪvəθɒlɪˈrɒkˌsɪn/  
ˌlɪvəθɒlɪˈrɒksən]  
lewotyroksyna

**records** dokumentacja

**trunk** tułów

## 11 Fill in each gap with two words so that the second sentence has the same meaning as the first one.

**consecutive** kolejny

1. We have only 28 out of 56 tablets you need.  
We are 28 tablets ..... the required amount.
2. Is it OK for you to collect the rest later?  
Do ..... collecting the rest later?
3. Our records say you take aspirin tablets.  
..... our records, you take aspirin tablets.
4. Leave it on.  
Don’t take .....
5. You’ve been prescribed it for the first time.  
You’ve ..... it before.

## 16 Explain to your patients how they should take their medication.

1.  
Simvastatin 40 mg  
1 on  
to lower cholesterol levels  
Mitte: 28 tablets

2.  
Levothyroxine 100 µg  
1 om ac  
for underactive thyroid  
Mitte: 28 tablets

3.  
Simethicone 125 mg  
1 qds prn  
to reduce bloating  
Mitte: 28 caps

4.  
Aspirin 75 mg  
1 om cc  
to thin the blood  
Mitte: 28 dispersible tablets

5.  
Ranitidine 150 mg tabs 56  
1 bd  
for acid reflux

6.  
Glycerin 4 g  
1 prn  
to relieve constipation  
Mitte: 12 suppositories

7.  
Clotrimazole 200 mg  
1 nocte  
for vaginal thrush  
Mitte: 3 pessaries

8.  
Ramipril 5 mg 28 caps  
1 od  
to lower blood pressure

**clotrimazole** [kləʊ'traɪmə,zəʊl/  
kləʊ'traɪmə,zə:l] klotrymazol

**glycerin** ['glɪs(ə)ri:n/'glɪs(ə)rɪn]  
glyceryna

**ramipril** [rə'mɪprəl/ra'mɪprəl]  
ramipryl

**simethicone** [sɪ'meθɪ,əʊn/  
saɪ'meθɪ,əʊn] symetykon,  
simetikon

**simvastatin** ['sɪmvə,stat(ə)n/  
,sɪmvə'stat(ə)n] symwastatyna

## 17 Calculate how many tablets/millilitres will be needed for 7 days' supply, provided the medication is taken according to prescriber's directions.

	Directions	Required quantity
1	1 om ac	.....
2	2 od pc	.....
3	1 bd	.....
4	2 tds	.....
5	1 qds	.....
6	15 ml bd	.....
7	10 ml nocte	.....

## 18 Read the words aloud. Underline those which have the sound **ai** (as in ice) and circle those that have the sound **ei** (as in make). Some words do not have either sound.

thyroid, label, strip, enzyme, vial, clinical, rectal, nasal, cystitis, insulin, diabetes,  
interaction, syringe, formulation, dispense, antibiotic, dissolve, bladder, subcutaneous,  
item, urea, prescribe, ion

# UNIT 13

## IN A LAB

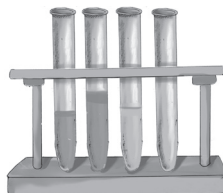
### 1 Label the laboratory equipment.



1) .....



2) .....



3) .....



4) .....



5) .....



6) .....



7) .....



8) .....



9) .....



10) .....



11) .....



12) .....



13) .....



14) .....



15) .....



16) .....



17) .....



18) .....

**automatic**

**pipette** pipeta  
automatyczna

**beaker** zlewka

**bulb** pipette  
filler gruszka do  
napelniania pipety

**burette** biureta

**dropper**  
kroplomierz

**Erlenmeyer/  
conical flask**  
erlenmajerka,  
kolba stożkowa

**evaporating dish**  
parownica

**funnel** lejek

**glass rod** bagietka

**graduated cylinder**  
cylinder miarowy

**measuring  
pipette** pipeta  
wielomiarowa

**mortar and pestle**  
moździerz i pistel

**spot plate** płytka  
porcelanowa  
z wgłębieniami

**test tube** probówka

**test tube rack**  
stojak na  
próbówki

**volumetric flask**  
kolba miarowa

**volumetric  
pipette** pipeta  
jednomiarowa

**wash bottle**  
tryskawka

# SPEAKING ACTIVITIES

## UNIT 2, EX. 17

Student B (patient)

Answer your partner's questions according to information given below. DO NOT volunteer any information unless asked. If asked about something not mentioned below, make up the answer.

When your partner finishes interviewing you, check together if there were any pieces of information he or she forgot to ask about.

*Location of pain:* head (headache), especially forehead

*Intensity:* moderate

*Type:* throbbing

*Duration:* since yesterday

*Other symptoms:* none

*Probable cause:* not known

*Previous experience:* you have such headaches two or three times a year

*How treated before:* aspirin helped with the pain

## UNIT 3, EX. 15

Student A (pharmacist)

To reduce the fever, recommend paracetamol or ibuprofen. Let the customer choose between tablets, capsules, effervescent tablets, suspension, and suppositories (paracetamol), tablets, capsules, and suspension (ibuprofen). You can offer liquid dosage forms in different flavours.

To relieve the sore throat, offer lozenges or a throat spray with antiseptic and anaesthetic agents.