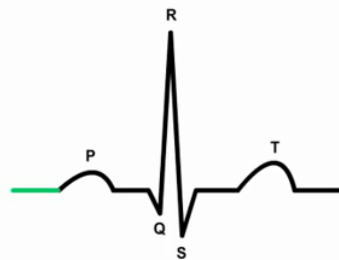
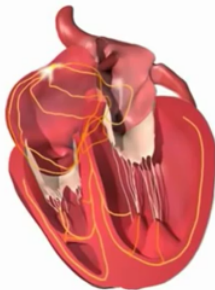


**1. Match the words with their synonyms or definitions**

- |                     |   |
|---------------------|---|
| 1. action potential | a. to describe  |
| 2. trace            | b. to cause   |
| 3. propagation      | c. "production"   |
| 4. generation       | d. An electrical device that has electrodes attached to the heart to electrically stimulate the heart to beat normally. |
| 5. to depict        | e. the transmission of something, e.g. an electrical signal   |
| 6. pacemaker        | f. to happen  |
| 7. to induce        | g. a small mass of tissue in the form of a swelling or a knot   |
| 8. conduction       | h. a dividing wall  |
| 9. to proceed       | i. A brief electrical signal transmitted along a nerve or muscle fiber following stimulation                            |
| 10. node            | j. to continue  |
| 11. septum          | k. the combination of two or more things, merging   |
| 12. to occur        | l. spreading  |
| 13. amalgamation    | m. a visible mark, such as a footprint; evidence or an indication of the former presence or existence of something      |

**2. Listen and answer the questions:**



- The contraction of the heart muscle is caused by \_\_\_\_\_.
- The abbreviation for electrocardiogram is \_\_\_\_\_ or \_\_\_\_\_.
- What are the individual phases of electrocardiogram and what happens during them?

**Patient care**

**Giving an ECG**

Here are some things a nurse might say to a patient when doing an ECG. Match the beginnings and endings of the sentences, and put them in a logical order.

- |  |   |
|--|---|
| 1 We're nearly                               | a lying comfortably? ___                        |
| 2 I'm just going to clean your chest so that | b try not to move. ___                          |
| 3 The machine's just                         | c the electrodes make good contact. ___         |
| 4 We're going to do an ECG so that we can    | d done recording now. ___                       |
| 5 Are you                                    | e look for any abnormal heart rhythms. <u>1</u> |
| 6 It's all done, so I'll                     | f take the electrodes off now. ___              |
| 7 Now just relax and                         | g printing out the recording. ___               |

**3. Listening: answer the following questions.**

- Where did he have the pain?
- What symptoms did he have?
- When did they call the ambulance?
- Did he have any major surgery?
- What are the pros and cons of the treatment the doctor suggests?

**4. Complete the gaps according to what you have heard in the listening.**

D: He's actually OK. He is a bit more stable.

W: That's a \_\_\_\_\_.

W: We \_\_\_\_\_ (sit) at home and he \_\_\_\_\_ (start) getting this pain in the centre of his chest. He \_\_\_\_\_ (have) it several times before and he \_\_\_\_\_ (use) the spray thing he has got.

W: And so he \_\_\_\_\_ (give) himself a few puffs but the pain wouldn't go and I \_\_\_\_\_ (can) see that he \_\_\_\_\_ (get) breathless and agitated...

D: What we're going to do, with your \_\_\_\_\_, is to give your husband something to help get rid of any \_\_\_\_\_ ...

D: By the looks of it, it's all gone very well and he'll be \_\_\_\_\_ in no time. ...

**The future**

**1** Work in pairs. What tenses are used in these sentences?

- 1 The ward round starts at 10, so we have half an hour.
- 2 She normally stops at 12, but today, I think she'll have finished her rounds well before 11.30.
- 3 The ward round is finishing at 12 noon.
- 4 So we'll definitely be sitting in the canteen at 1.10.
- 5 We'll have been working for 12 hours by 1.00 this afternoon.

**2** Work in pairs. Put the verbs in brackets into the correct future form in the active or passive.

- 1 If his progress so far is anything to go by, he \_\_\_\_\_ (be) up and about in a few days.
- 2 He \_\_\_\_\_ (send) home this Saturday.
- 3 She \_\_\_\_\_ (soon move) out of intensive care.
- 4 That means in ten minutes, it \_\_\_\_\_ (be) roughly 60 minutes since the pain first came on.
- 5 He \_\_\_\_\_ (walk) around without any problem in a matter of days.
- 6 \_\_\_\_\_ (he be able) to go into a rehabilitation unit before he comes out?
- 7 What \_\_\_\_\_ (he have) to eat by the time I get there today?
- 8 The consultant \_\_\_\_\_ (come) round at about 1.00 p.m., so we \_\_\_\_\_ (see) him then.

**3** Work in pairs. Prepare three or four questions about what you will have done, are planning to do, will be doing, and will do today. Give your questions to your partner and then ask each other the questions.

**Instructions**

**1** Work with a partner to put these pictures in a logical order. Describe what is happening in each one.

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_

