

# tech talk

**Elementary**  
Workbook

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SAMPLE COPY  
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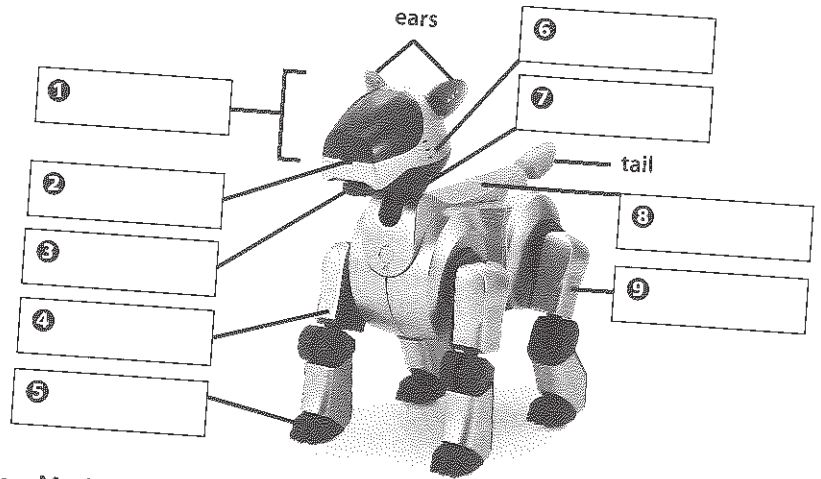
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# Unit 7

1 Look at AIBO, the robot dog. Label the parts of his body with the words in the list.

face  
mouth  
neck  
back leg  
head

back  
nose  
front leg  
foot



2 Read about AIBO, the robot dog. Mark the sentences true (T) or false (F).

AIBO (Artificial Intelligence roBOt) is a robot dog, developed by Sony. He is 27.4 cm long, 26.6 cm high, and weighs 1.5 kilos. You can control him with a computer, a remote control, or with voice instructions. AIBO is not just a toy. Sony developed and tested him as an electronic friend for old people.

*Movable parts*

- Mouth: 1 degree of freedom
- Head: 3 degrees of freedom
- Legs: 3 degrees of freedom x 4 legs (removable)
- Ears: 1 degree of freedom x 2 ears
- Tail: 2 degrees of freedom
- Total: 20 degrees of freedom

*He needs a 9V battery and can operate for approximately 1.5 hours.*

*Price: approximately \$1,300.*

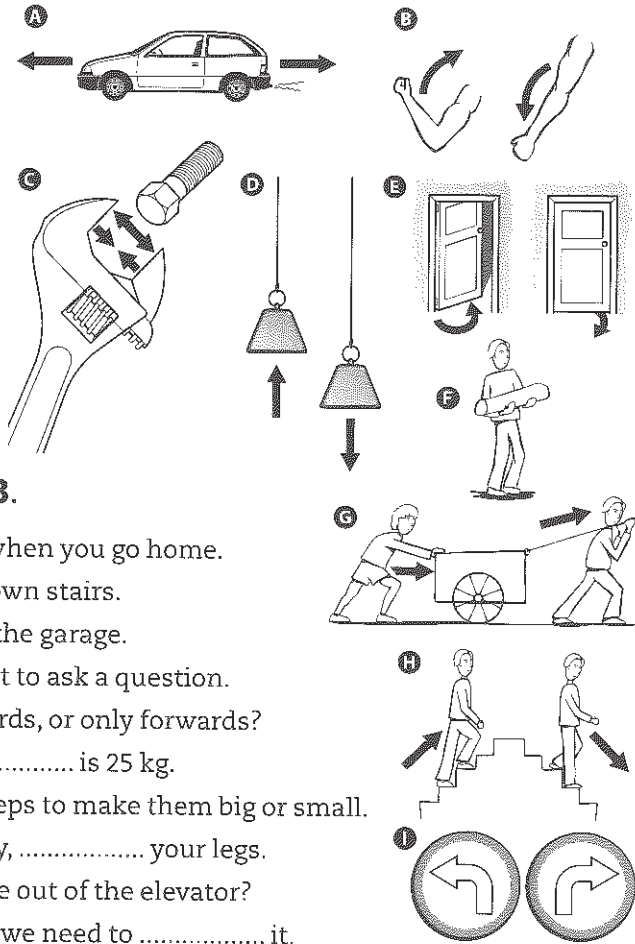
*Here are some things AIBO can do:*

- walk and run backwards and forwards
- stand on his back legs and raise and lower his front legs
- see and remember things
- understand the name you give him
- dance
- understand 75 different voice instructions (*Sit! Come! No!, etc.*)
- take photographs
- make robotic dog sounds
- learn new actions.

- |  |     |
|--|-----|
| 1 AIBO is a toy for children.            | T/F |
| 2 He can remember his name.              | T/F |
| 3 He can bend his legs.                  | T/F |
| 4 He can stand on his front legs.        | T/F |
| 5 He can raise and lower his front legs. | T/F |
| 6 He can turn on a light.                | T/F |
| 7 He can speak 75 words of English.      | T/F |
| 8 He can learn to do new things.         | T/F |
| 9 He can move his ears and tail.         | T/F |
| 10 He can bend his back.                 | T/F |

**3 Match the pictures with the verbs.**

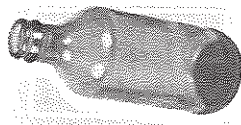
- 1 move backwards, move forwards **A**
- 2 open, close .....
- 3 push, pull .....
- 4 adjust .....
- 5 bend, straighten .....
- 6 turn left, turn right .....
- 7 climb up, climb down .....
- 8 carry .....
- 9 raise, lower .....



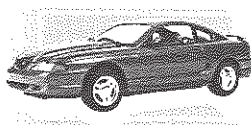
**4 Complete the sentences with a verb from 3.**

- 1 Please .....<sup>close</sup>..... the door and lock it when you go home.
- 2 A lot of robots can't ..... up or down stairs.
- 3 Please help me ..... the car into the garage.
- 4 Please ..... your hand if you want to ask a question.
- 5 Can it ..... backwards and forwards, or only forwards?
- 6 The maximum load this robot can ..... is 25 kg.
- 7 ASIMO can ..... the size of his steps to make them big or small.
- 8 When you want to lift something heavy, ..... your legs.
- 9 Do I ..... left or right when I come out of the elevator?
- 10 There are so many bends in this road – we need to ..... it.

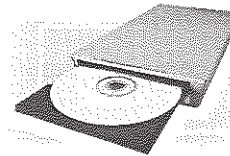
**5 What is it? Complete the sentences with the items in the list.**



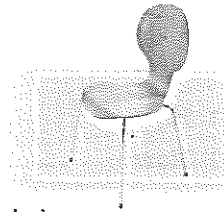
bottle



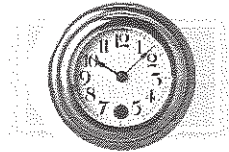
car



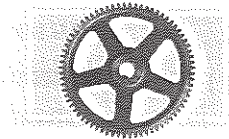
CD drive



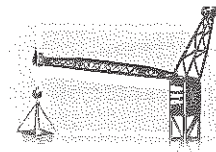
chair



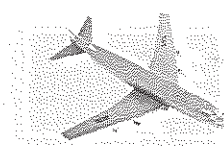
clock



cog



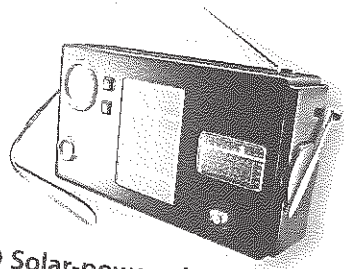
crane



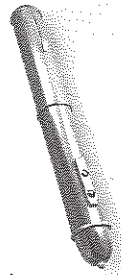
plane

- 1 It has a neck and a mouth, but it can't drink. ....<sup>bottle</sup>.....
- 2 It has arms, legs, and a back, but it can't move. ....
- 3 It has two or three hands. It doesn't have a mouth, but it can tell you the time. ....
- 4 It's round. It has a lot of teeth, but it can't eat. ....
- 5 It has a nose. It can't smell, but it can fly. ....
- 6 It has an arm, but it doesn't have a hand. It can lift things. ....
- 7 It can read and write, but it doesn't have eyes or hands. ....
- 8 It has a body. It doesn't have arms or legs, but it can carry you somewhere. ....

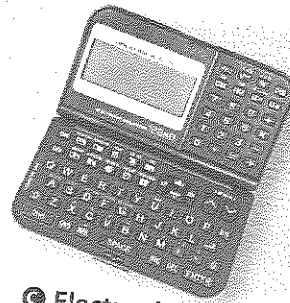
6 Match the pictures with the dimensions.



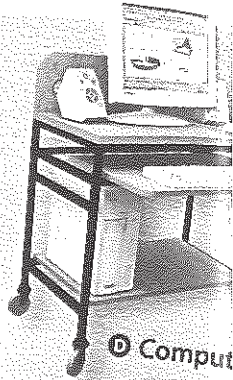
A Solar-powered radio



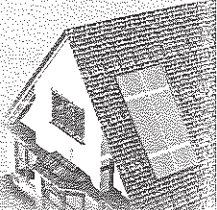
B Laser pointer



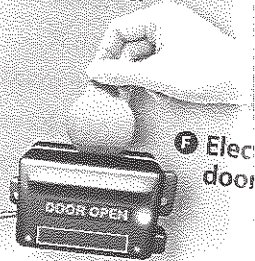
C Electronic dictionary



D Computer



E Solar panel



F Electronic door opener

- 1 Maximum load 40 kg.  
Dimensions: 90 cm high, 70 cm wide, 55 cm deep.  
Price €99.99.
- 2 Operates on 12 volts.  
Dimensions: 81 mm long, 60 mm high, 22 mm wide.  
Price €49.99.
- 3 Dimensions: 150 mm long, 70 mm high, 30 mm wide.  
Price €29.95.
- 4 25-year guarantee. Weight, 7.5 kilos.  
Dimensions: 1,200 mm high, 500 mm wide, 60 mm deep.  
Price €539.50.
- 5 Weight without batteries, 125 g.  
Dimensions: 135 mm long, 90 mm wide, 15 mm high.  
Price €134.99.
- 6 Wavelength 670 mm (red).  
Dimensions: 15 cm long, 13 mm wide.  
Price €29.95.

7 Look at the answers and complete the questions. Then write four more questions.

- |  |          |
|--|----------|
| 1 How <i>high</i> ..... is the computer table?   | 90 cm    |
| 2 How ..... is the solar panel?                  | 500 mm   |
| 3 How ..... is the laser pointer?                | 15 cm    |
| 4 How ..... is the electronic dictionary?        | 125 g    |
| 5 How ..... is the electronic door opener?       | €49.99   |
| 6 How ..... is the guarantee on the solar panel? | 25 years |
| 7 How ..... is the electronic dictionary?        | 135 mm   |
| 8 How ..... is the solar radio.                  | 70 mm    |

8 Write the opposites.

- |            |       |            |            |
|------------|-------|------------|------------|
| 1 up       | down  | 7 forwards | .....      |
| 2 .....    | dirty | 8 .....    | turn right |
| 3 large    | ..... | 9 bend     | .....      |
| 4 .....    | can't | 10 .....   | pull       |
| 5 upstairs | ..... | 11 turn on | .....      |
| 6 .....    | raise | 12 .....   | close      |

# Unit 8

## 1 Read the dialogue and complete the task list.

- A Can I help you?  
B My car needs a service.  
A OK. Any problems?  
B Yes. The radio doesn't work. I need a new one.  
A No problem. We'll install it. Anything else?  
B Yes. I think I need four new tyres.  
A OK, we'll check the tyres and replace them if you need new ones.  
B Thanks.  
A Is that all?  
B No. I can't unlock the passenger door.  
A Do you have central locking?  
B No, I don't.  
A No problem. We'll replace the old lock with a new one.  
B Great.  
A Do you need anything else?  
B Yes. I need an alarm. Do you have one for this car?  
A Yes, no problem. We'll install it for you.  
B Great. Can you do it today?  
A No, sorry. We're very busy.

### Task list

Vehicle: Ford Focus XE53 B1P

Date: 17 August

1..... a new radio.

2..... and 3.....

the tyres.

4..... the passenger door lock.

5..... an alarm.

## 2 Complete the conversations with *it* or *them*.

- 1 A We need to check how long the room is.  
B Right, I'll measure ..... it .....
- 2 A I need a new password.  
B OK, I'll change ..... for you.
- 3 A These bolts are loose.  
B Do you want me to tighten .....?
- 4 A We need to send these parts today.  
B OK, I'll get a box and pack .....
- 5 A The fire doors are locked.  
B Are they? I'll unlock .....
- 6 A There's a problem with this machine.  
B OK, we'll call maintenance and ask them to service .....
- 7 A Are these figures correct?  
B I'm not sure. I'll check .....
- 8 A There's a hole in this hose.  
B Yes, we need to replace .....

**3 Complete the conversations with the verbs in the list.**

carry    replace    clean    check    straighten    measure    order    delete

- 1 A This box is very heavy.  
B OK, I'll help you <sup>carry</sup>..... it.
- 2 A We don't have enough paper.  
B No problem. I'll ..... some more.
- 3 A This aerial is bent.  
B OK, I'll ..... it.
- 4 A These figures can't be correct.  
B Are you sure? I'll ..... them.
- 5 A Is this 25 cm long?  
B I'm not sure, but I'll ..... it.
- 6 A This light bulb doesn't work.  
B I know. I'll ..... it.
- 7 A The car's very dirty.  
B Yes, I'll ..... it tomorrow.
- 8 A I don't need these programs.  
B OK, I'll ..... them for you.

**4 Underline the correct word.**

- 1 A I need to measure this room.  
B Do you need <sup>1</sup>a / some tape measure?  
A Yes. Do you have <sup>2</sup>one / any?
- 2 A I need to straighten these wires.  
B Do you need <sup>3</sup>a / some pliers?  
A Yes. Do you have <sup>4</sup>one / any?
- 3 A I need to remove these screws.  
B Do you need <sup>5</sup>a / some screwdriver?  
A Yes. Do you have <sup>6</sup>one / any?
- 4 A I need to replace that light bulb.  
B Do you need <sup>7</sup>a / some ladder?  
A Yes. Do you have <sup>8</sup>one / any?
- 5 A I need to hang this picture on the wall.  
B Do you need <sup>9</sup>a / some hammer and <sup>10</sup>a / some nails?  
A I don't need <sup>11</sup>a / some hammer, but I need <sup>12</sup>a / some nails. Do you have <sup>13</sup>one / any?

5 Read the FAQs 1–10 and match them with the answers a–j.

tom's technical FAQs

Back Forward Stop Refresh Home AutoFill Print Mail

Address: www.tom's technical FAQs

### Tom's Technical FAQs \* page

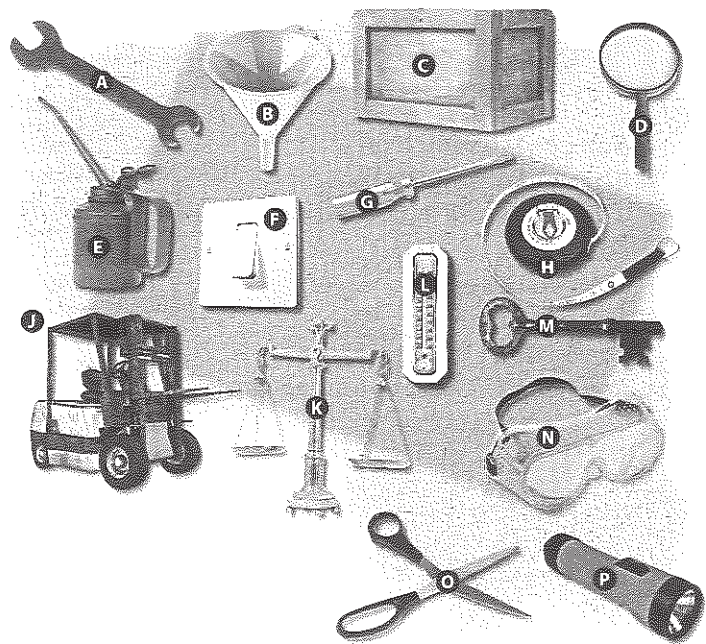
- 1 What can I do? I live in Germany and want to watch British TV.
- 2 Help! My PC can't find my new printer.
- 3 I want to take my laptop with me when I go to London. I live in Spain. Do I need a different plug?
- 4 How can I see digital photos on my mobile?
- 5 I don't need one of the programs on my PC. Can I just delete it?
- 6 I want to use my mobile in the car. Is it OK to use it when I have headphones?
- 7 I have a satellite dish and two TVs. Can I watch two different programmes?
- 8 The air-conditioning in my car doesn't work. What can I do?
- 9 The potatoes in my garden are very small. What do you think the problem is?
- 10 My mouse doesn't work. What can I do?

- a This is a driver problem. You need to re-install the printer software.
- b Yes, you do. The sockets in the UK are made for plugs with three pins.
- c You need to get a special satellite receiver and a viewing card from the UK.
- d Open the windows! I'm afraid I can't answer your question. I need more information first.
- e No, don't do that! You need to uninstall it. This removes all the entries in the registry.
- f You need to have a cell phone that can show digital pictures first.
- g Remove the mouse ball and clean it with water or alcohol.
- h Yes, you can, but you need to have two satellite receivers.
- i This page is for Technical FAQs. Please post this question to a gardening page!
- j You can only listen with headphones – you can't speak. You need a headset (headphones + a microphone).

\*FAQs = Frequently Asked Questions

6 Match the pictures with the words.

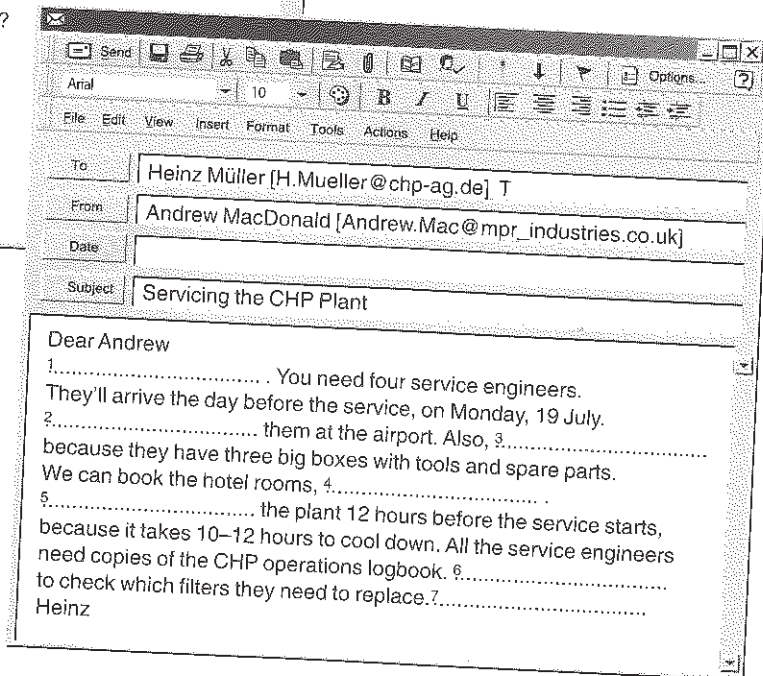
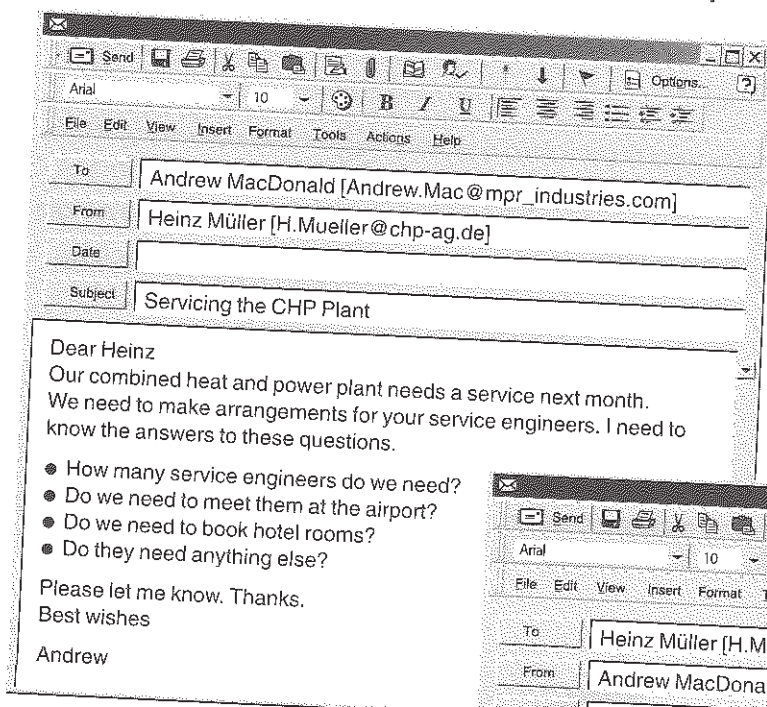
- |                     |       |
|---------------------|-------|
| 1 pair of scissors  | O     |
| 2 screwdriver       | ..... |
| 3 can of oil        | ..... |
| 4 scales            | ..... |
| 5 tape measure      | ..... |
| 6 thermometer       | ..... |
| 7 spanner           | ..... |
| 8 pair of goggles   | ..... |
| 9 funnel            | ..... |
| 10 key              | ..... |
| 11 magnifying glass | ..... |
| 12 torch            | ..... |
| 13 switch           | ..... |
| 14 fork-lift truck  | ..... |
| 15 crate            | ..... |



7 Write the name of the items you need to do these things.

You want to ...	You need a ...	You want to ...	You need a ...
1 remove the screws on a cover	screwdriver	9 tighten some bolts	.....
2 open a locked door	.....	10 protect your eyes	.....
3 look at something very small	.....	11 weigh a parcel	.....
4 move a very heavy box	.....	12 lubricate a moving part	.....
5 put some oil into a machine	.....	13 turn off a machine	.....
6 cut some paper	.....	14 see in a dark place	.....
7 pack an engine for delivery	.....	15 measure a wall	.....
8 check the temperature	.....		

8 Read the first email. Complete the second email with the phrases in the list.



- a You need to switch off
- b Thanks for your email
- c They also need a printout of some data
- d Best wishes
- e You need to meet
- f so you don't need to do that
- g you need two cars or a small van



# Unit 9

## 1 Match the signs with the correct instructions.

- 1 Wear safety boots. .... L
- 2 Don't enter. ....
- 3 Don't use a mobile phone here. ....
- 4 Emergency exit this way. ....
- 5 Be careful when the floor is wet. ....
- 6 Don't touch. ....
- 7 Be careful! Dangerous liquid. ....
- 8 Wear safety goggles in this area. ....
- 9 Don't park here. ....
- 10 Be careful! Explosive material. ....
- 11 Watch out! Danger! ....
- 12 Don't switch on! ....
- 13 Danger of an electric shock. ....
- 14 Don't smoke here. ....
- 15 Don't wash. ....



A

B

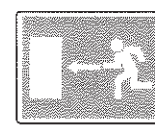
C



D

E

F



G

H

I



J

K

L



M

N

O

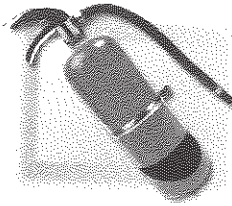
## 2 Read the instructions for what to do in a thunderstorm.

Write *Don't* before the instructions that are not true.

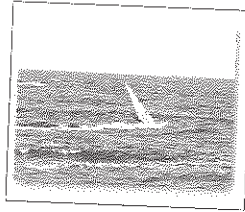
- 1 ..... stand under a big tree.
- 2 ..... stand on top of a hill or high building.
- 3 ..... get inside a car.
- 4 ..... lie down on the ground.
- 5 ..... use a telephone.
- 6 ..... stay away from windows.
- 7 ..... use electrical appliances (TVs, computers).
- 8 ..... stay away from water (the sea, a lake).
- 9 ..... carry metal objects.
- 10 ..... panic!



3 What colour are these things? Write the colour under the picture.



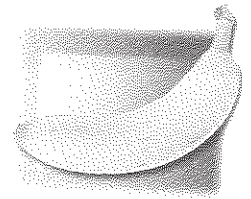
1 red .....



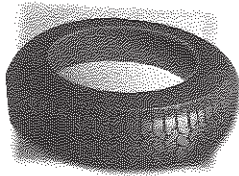
3 .....



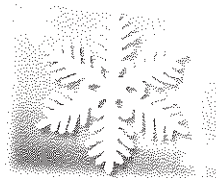
5 .....



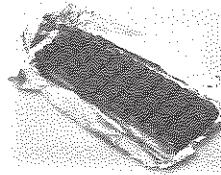
7 .....



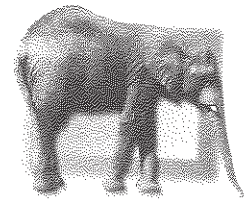
2 .....



4 .....



6 .....



8 .....

4 Read the instructions and complete the sentences with *should* or *shouldn't*.

1 Switch off the machine first.

= The machine <sup>should</sup> ..... be switched off first.

2 Don't connect the wire to terminal A.

= The wire <sup>shouldn't</sup> ..... be connected to terminal A.

3 Clean the LCD display regularly.

= The LCD display ..... be cleaned regularly.

4 Don't take food and drink into the control room.

= Food and drink ..... be taken into the control room.

5 Don't remove the safety guard.

= The safety guard ..... be removed.

6 Install the new sound card first.

= The new sound ..... be installed first.

7 Change the password every day.

= The password ..... be changed every day.

8 Don't store the cylinders outside.

= The cylinders ..... be stored outside.

9 Replace the cover after use.

= The cover ..... be replaced after use.

10 Don't connect the blue cable to the battery.

= The blue cable ..... be connected to the battery.

**5 Complete the questions with *Is, Are, Do, or Does*.**

- |   |                                       |
|---|---------------------------------------|
| 1 ..... <sup>Do</sup> ..... you work for Fiat?          | 6 ..... you know who Ali works for?   |
| 2 ..... you a mechanical engineer?                      | 7 ..... you a maintenance technician? |
| 3 ..... he a customer?                                  | 8 ..... I need a special pass?        |
| 4 ..... she work here?                                  | 9 ..... she know where to go?         |
| 5 ..... Sarah a computer technician<br>or a programmer? | 10 ..... he new here?                 |

**6 Read the questions and underline the right answer.**

- |  |                                    |
|--|------------------------------------|
| 1 Do you work for Dunlop?                  | <u>No, I don't.</u> / No, I'm not. |
| 2 Is Patricia a manager?                   | Yes, she does. / Yes, she is.      |
| 3 Do I know him?                           | Yes, you do. / Yes, you are.       |
| 4 Are you from RTC?                        | No, I don't. / No, I'm not.        |
| 5 Does Bill work for GE?                   | Yes, he does. / Yes, he is.        |
| 6 Is Maria Perrez from Brazil?             | No, she doesn't. / No, she isn't.  |
| 7 Do you know what this does?              | Yes, I do. / Yes, I am.            |
| 8 Does Ms Abdellah know Erika?             | No, she doesn't. / No, she isn't.  |
| 9 Are you an electrician?                  | Yes, I do. / Yes, I am.            |
| 10 Does your company make electric motors? | Yes, it does. / Yes, it is.        |

**7 Put the words in the right order to make questions.**

- a / you / mechanical engineer / are  
Are you a mechanical engineer.....?
- an electronics company / work for / you / do  
Do .....?
- aerospace industry / in the / is / your company  
Is .....?
- phones / produce / does / your company / mobile  
Does .....?
- to have / a visitor's pass / you / do / need  
Do .....?
- the first floor / is / there / on / a photocopier  
Is .....?
- you / Nordea / Mr Linberg / are / from / in Oslo  
Are .....?

**8 Write answers to these questions.**

- 1 Who do you work for?    2 What's your job?    3 Where do you work?