Appendix

Spelling and Pronunciation

When the English tongue we speak Why is **break** not rhymed with **weak**? Won't you tell me why it's true We say **sew**, but also **few**? And the maker of a verse Cannot rhyme his *horse* with *worse*? Beard is not the same as heard, Cord is different from word, Cow is cow, but low is low, **Shoe** is never rhymed with **foe**. Think of *hose* and *dose* and *lose*, And think of goose and yet of choose, Think of *comb* and *tomb* and *bomb*, **Doll** and **roll** and **home** and **some**. And since *pay* is rhymed with *say*, Why not *paid* with *said* I pray? Think of **blood** and **food** and **good**; **Mould** is not pronounced like **could**. Why is it done, but gone and lone -Is there any reason known? To sum it up, it seems to me That sounds and letters don't agree.

Find at least one example for each sound in the poem from the words in **italics**.

/eɪ/make
/i:/ read
/əʊ /boat
/u:/ pool
/ɔ:/ born nrod /:c\
/3:/ bird
/ɪə/ gear
/αʊ/ house
/ɒ/ shot
/ʌ/cut
/e/ egg
/ʊ/ put

Phonetic alphabet

θ	Λ	ŋ	a:
3:	t∫	ວ:	æ
υ	\int	3	ð
ə	I	d3	ອບ
aı	ЭI	e	u:
i:	D	еі	au
ΙĐ	eə	ບອ	Z

Partner dictation – student A

	Can you tell me	have in common?
2.		of the so-called technical English
3.		
	knowledge	
	grammar and rules of word formation.	
4.		has its separate vocabulary.
5.		, the semi-technical words
		the most difficulties.
6.		are frequently used.
		from everyday English,
		is totally different.
7.		when new discoveries were made
8.	More than half of all the technical vocabulary _	
9.		and therefore easy to understar
		to pronounce them correctly in Engli
10.	Passive constructions	, e.g. in operating instructions
10.	Passive constructions	, e.g. in operating instructions.
ner	dictation – student B	
ner	dictation – student B	
ner 1.	dictation – student B	_ what everyday English and technical English ?
ner 1. 2.	Which are the peculiarities	_ what everyday English and technical English ? ?
ner 1. 2.	Which are the peculiarities In order to master technical English	_ what everyday English and technical English ? ?
ner 1. 2.	Which are the peculiarities In order to master technical English of everyday English with its vocabulary,	_ what everyday English and technical English???
ner 1. 2. 3.	Which are the peculiarities In order to master technical English of everyday English with its vocabulary, Each branch of technology	_ what everyday English and technical English??
ner 1. 2. 3.	Which are the peculiarities In order to master technical English of everyday English with its vocabulary, Each branch of technology As far as vocabulary is concerned,	_ what everyday English and technical English??
ner 1. 2. 3. 4.	Which are the peculiarities In order to master technical English of everyday English with its vocabulary, Each branch of technology As far as vocabulary is concerned, are likely to cause	_ what everyday English and technical English???
ner 1. 2. 3. 4.	Which are the peculiarities	_ what everyday English and technical English??
ner 1. 2. 3. 4.	Which are the peculiarities In order to master technical English of everyday English with its vocabulary, Each branch of technology As far as vocabulary is concerned, are likely to cause	_ what everyday English and technical English??
ner 1. 2. 3. 4. 5.	Which are the peculiarities	what everyday English and technical English??
ner 1. 2. 3. 4. 5.	Which are the peculiarities	what everyday English and technical English??
ner 1. 2. 3. 4. 5.	Which are the peculiarities	what everyday English and technical English??
ner 1. 2. 3. 4. 5.	Which are the peculiarities	what everyday English and technical English?
ner 1. 2. 3. 4. 5. 6.	Which are the peculiarities	what everyday English and technical English??

Complete the text with suitable words from the box.

acquire • certain • common - considerable • familiar • frequency -impersonal • impersonal - matter • matters • peculiarities • purposes -seem • seem • sight • towards • vocabulary - vocabulary

Technical English is often said to	be difficult to und	erstand. There is a		1)
tendency for it to be regarded as	s some sort of lang	uage of its own. At fir	st	2)
this may				
not the problem that really		⁵⁾ . There are many re	asons why technica	l texts
⁶⁾ to be r				
The English used for technical		⁷⁾ is not so very dif	ferent from the eve	ryday
phrases and sentences. The		_ ⁸⁾ patterns of everyd	ay English are the b	asis of all
technical writing, although there				
1	^{.o)} grammatical ite	ms occur.		
In order to master technical Engl	lish you must first		_ ¹¹⁾ a thorough	
knowledge of everyday English v	vith its grammar, _		_ ¹²⁾ and rules of	
word formation. Then it will be e	easy for you to lear	n the	¹³⁾ of	
technical English.				
Scientific and technical writing is	usually about thin	ngs,	¹⁴⁾ , natural	
processes, and is	¹⁵⁾ in style	e. This	¹⁶⁾ attitude o	of the
scientist or engineer	¹⁷⁾ his	subject has a	18)	
influence on the language he use	es in writing and to	some extent, in spea	king.	

17 words are hidden (vertically, horizontally and diagonally). Can you find them?

	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	Ν	0
1	Е	F	K	В	Α	С	Ι	Ε	L	0	R	D	М	Ю	Α
2	Е	D	В	0	0	K	Τ	S	Р	0	R	Т	S	М	Р
3	Е	S	Т	Е	С	Ι	Ν	0	L	0	G	Υ	L		Р
4	G	Z	O	Χ	Ø	ш	М	I	Z	Α	R	М	G	Ш	L
5	Т	Е	G	I	S	D	I	ı	Ν	J	Q	Ν	Е	М	Υ
6	U	L	Χ	L	Е	В	S	Е	Р	U	В	G	Ν	С	G
7	Ν	F	Ν	Α	ı	Ν	С	Ε	0	Ζ	0	В	G	0	Р
8	ı	Χ	Е	Υ	М	S	С	I	М	0	D	J		М	Н
9	٧	Ε	Α	С	Ε	ı	Η	Ε	Η	S	Р	В	Ν	Р	Υ
Ю	Е	D	G	С	В	W	Ν	С	L	J	Χ	Η	Е	U	S
П	R	М	Α	Т	Η	Е	М	Α	Т	ı	С	S	Е	Т	I
12	S	Е	ı	F	Η	J	М	K	Т	Ζ	F	G	R	Ε	С
l3	ı	Ν	D	Ζ	R	Υ	K	I	М	I	R	٧	I	R	S
14	Т	K	J	F	U	Ν	Υ	Р	Е	Q	0	R	Ν	J	Q
15	Υ	K	R	S	Т	U	D	Ε	N	Т	Р	N	G	N	D

Describing Trends – past and present perfect

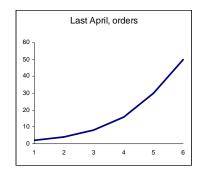
- a. went down slightly
- b. have gone up considerably
- c. have levelled off
- d. rose slightly
- e. fell quite sharply

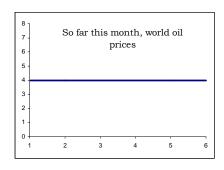
- f. fluctuated
- g. increased dramatically
- h. remained steady
- i. have remained constant

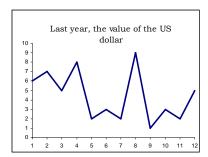
Use the phrases to complete the descriptions with them.

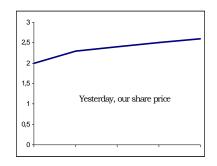
- 1. Last April, orders...
- 2. So far this month, world oil prices...
- 3. Last year, the value of the US dollar...
- 4. Yesterday, our share price...
- 5. This year, sales...

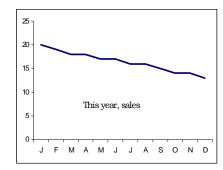
- 6. Labour costs ... last year.
- 7. This week, sales of washing machines...
- 8. Last summer, our market share...
- 9. This year, orders from Japan...

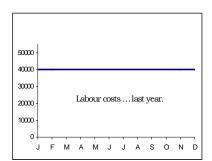


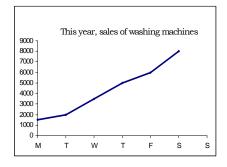


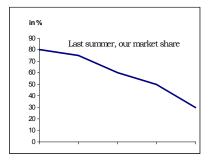


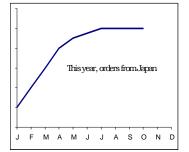








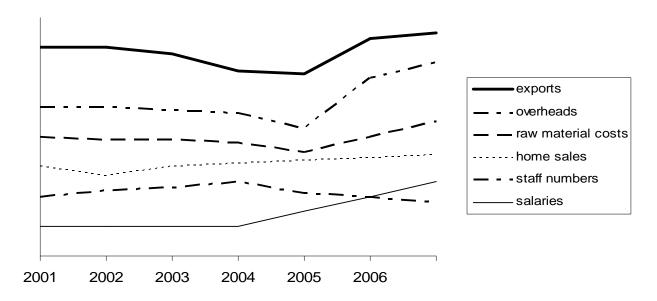




past and present perfect

We usually use the **past simple** to describe completed events or actions in the past: *Prices* went up in 2005. Salary costs increased between 2004 and 2006.

If there is also a present time reference which relates the present to a past event then we use the **present perfect**: *Prices have increased steadily over the past 4 years*. To emphasise the process over the whole period we use the **present perfect progressive**: *Prices have been increasing steadily over the past 4 years*.



Use the information shown to complete the following sentences using an appropriate form of the verb given. There may be more than one possible answer in some cases.

- 1. Exports ______ significantly between 2001 and 2005. (fall)
- 2. Since 2005 they ______ steadily, however. (rise)
- 3. Overheads _____ sharply since last year. (rise)
- 4. There ______ a gradual fall in the price of raw materials between 2003 and 2005, but the price _____ considerably in 2006. (be, rise)
- 5. Domestic sales ______ steadily over the past 4 years. (increase)
- 6. The workforce ______ by 25 % sind 2004. (shrink)
- 7. The workforce ______ by 10 % between 2001 and 2002. (grow)
- 8. Salary costs ______ sharply over the last few years. (go up)
- 9. Overheads ______ slightly in 2003. (fall)
- 10. There ______ a slight fall in domestic sales in 2002. (be)

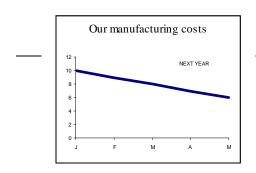
Describing Trends - forcasting

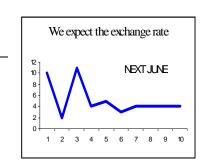
- a. is expected to rise slowly
- b. going to peak
- c. may fall suddenly
- d. should fall steadily
- e. to stabilise

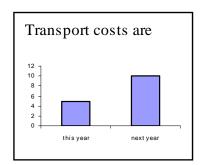
- f. going to bottom out
- g. likely to double
- h. probably going to halve
- i. to decrease rapidly

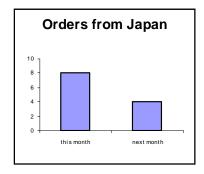
Use the phrases to complete the descriptions with them.

- 1. Our manufacturing costs...
- 2. We expect the exchange rate...
- 3. Transport costs are...
- 4. Orders from Japan are...
- 5. The value of the US dollar...
- 6. We're expecting our labour costs...
- 7. We're hoping that the decline in our sales is...
- 8. Interest rates...
- 9. I predict that our shares are... at about \$4.30.

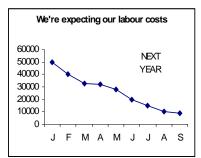


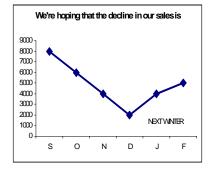


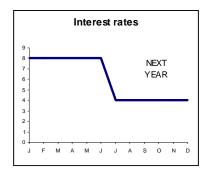


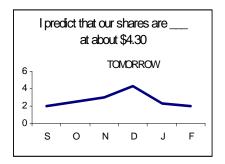












Rough Figures – room for manoeuvre

Complete the following expressions with one of these words. Use each expression once.

arou less			roughly towards	give or take not more than
betw	een		region	
	a.	somewhere in the		_ of 200 to 250
	b.	somewhere	ten	and twelve thousand
		sometime		
	d.	about \$5,000,	a	couple of hundred either way
	e.		7%, perhaps a b	it more
	f.	not	than \$10,00	0
	g.		the end of the ye	ear
	h.		five or six	
Use d	each o	of the expressions to c	complete one of the	se:
1.		t sort of return can wo	-	
2.				or certain – nine, ten? doubt if it will take as long as that.
3.		n do you think everyt bu	_	ce? hat; all sorts of things could go wrong.
4.	Do y	ou think \$5,000 will	cover it?	, maybe even a bit more than that
	Certa	anny not. We re look	ing at	, maybe even a bit more than that
5.		much will a new one		a't vary by much these days.
6.		t sort of salary do you		r? er less than 10K these days.
7.			•	mber of units you might need? cult to say until we have more details.
8.	Whe	n will it be ready?	hope – mid-Januar	y at the latest.

Sales trends – pair work

student A

Part 1: Describe this graph to your partner.

Sales at Yoghurt Delights, Inc



Part 2: Listen to your partner and draw a graph based on his/her description. Sales at MyOffice Ltd.



student B

Part 1: Listen to your partner and draw a graph based on his/her description. Sales at Yoghurt Delights, Inc



Part 2: Describe this graph to your partner.

Sales at MyOffice Ltd.

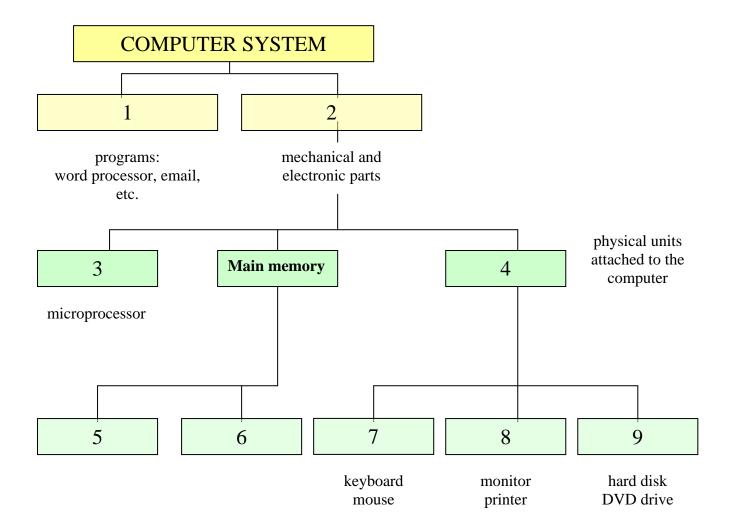


Can you unscramble the words? (bernmu)¹ is a number of the form a + bi

In mathematics, a co	mplex (bernm	nu) is a number of t	he form $a + bi$
where a and b are	mplex (berning) (berning) (berning) (crale) numbers, -1. The real number a is	and i is the imagina	ary(tiun) ³ ,
with the property $i^2 =$	-1. The real number a is	(lealcd)	the real part of the
(xploe	mc) ⁵ number, and the real n	umber b is the	(igyiaanrm) ^v
part. When the imagi	nary part b is 0, the complex	x number is	(stuj)' the real
number a.		0	
For example, $3 + 2ii$	s a complex number, with _	(ealr) ⁸	part 3 and imaginary part
2. If $z = a + bi$, the _	(arel) ⁹ part (a) i	is denoted Re(z), and	d the imaginary part (b) is
denoted Im(z).			
Complex numbers ca	an be added,(asceutbtrd) ¹⁰ , muitip	olied, and
(iiddedv) ¹¹ like real r	numbers, but they have	(iaaodldti	$n)^{12}$
elegant properties. For	or example, real numbers alo lynomial algebraic	one do not	(vpeiord) ¹³ a
solution for every po	lynomial algebraic	(tinqaoeu) ¹⁴ w	vith real coefficients,
while complex numb	ers do (the fundamental the	orem of algebra).	
In some fields (in par	rticular, electrical	(eggnineiren) ¹⁵	, where i is a symbol for
current), the imagina	ry unit i is instead written as	s i. It follows that	(pixoecm) ¹⁶
numbers are written			(F)
manifects are written	as a reg.		
	Types of Comp	uter Systems	
	Types of comp	diel Systems	
Listen and complete th	e notes.		
Mainframe:	deals with lots of	 	
	supports		
	can be found in		
Doolston DC			
Desktop PC :	contains		
	used as		
Laptop:			
zwpvop.	similar to a desktop PC's		
	can be	easily, has a sma	ller
	is used as an input device	•	
	has	for use when there is	no mains supply available
Tablet PC:	looks like a book		
	special digital pen used for_		
	han	ndwriting and	it into
	editable text	1 11	1.1
	keyboard and mobile device	also availa	ble
	mobile device		
PDA:	term used for a variety of		such as palmtops and
1211.	pocket PCs		, such as parintops and
	input devices:	or	
	some models have	and	
	possible uses:		
	-		
Wearable computer:	uses		
	on 1		ned for mobile or hands-
	free		
	may contain a		
	are voice-activated and can _		email or voicemail

Parts of a computer

Label the diagram with the correct terms.



The great e-waste recycling debate Complete the text with words/ phrases. you hear.

	as brought with it a new type of waste	
electronic waste, a	(1) of refuse that bar	ely
existed 20 years ago.	Now e-waste represents the biggest and	d fastest growing manufacturing
	lack and white TVs have given way to	
-	ome(2) with a can	
	s last year's computer when it can't han	
	(3) and	
	ing more and more short-lived all the t	-
	cling involves the major producers an	
=	ern Europe, and Africa. Instead of beir	_
(5) we are exporting waste containers fu	all of problems to people who
have to choose between	en poverty or poison.	
	WASTE - THE COMPUTER	
	_ (6) a computer is made of 23% plast	
ferrous metals (lead, c	admium, antimony, beryllium, chromi	um and mercury), 12% electronic
boards (gold, palladiu	m, silver and platinum) and 15% glass	. Only about 50% of the computer
is recycled, the rest is	(7). The toxicity o	of the waste is due, by and large,
to the lead, mercury a	nd cadmium - nonrecyclable compone	ents of a single computer may
	grams of lead. Much of the plastic used	
	tes it difficult to recycle.	(0)
retardants, which mak	es it difficult to recycle.	
How is a computer red	cycled? In a number of countries entire	e communities, including the
children, earn their liv	relihoods by scavenging metals, glass a	and plastic from old computers.
	uantity of gold,(9)	
	e electrical cords is burnt in barrels to e	
_	about US \$6 worth of material (Basel A	= = = = = = = = = = = = = = = = = = = =
	at burning the plastic	· · · · · · · · · · · · · · · · · · ·
	ge volumes of worthless parts are also	
	els to contaminate the area.	dumped hearby, anowing the
Temaning neavy meta	is to containmate the area.	
LET ME GIVE Y	OU A COMPUTER	
Communities in West	Africa receive used computers from de	onors in developed countries.
	a useful gift, however, quickly becom	
	1). When things go wrong, as they ofte	
	eap due to the lack of technical support	
over a		
		<u> </u>
	n average lifespan of only 2 years. In t	
	lete computers. (US National Safety C	
	dment pending which would ban the ex	
-	leveloping countries. Some countries,	_
	e already implemented this proposed ar	
like China have banne	ed the importation of e-waste, although	significant volumes are still
entering the country _	(14).	
Copyright @ 2002 United Nation	ns Environment Programme (adapted)	
• •	e following words in the text above.	
waste	extract	entering the country
poison	used/ old computers	
melted down	dumped	

Disks and drives (A)

Magnetic storage		
Magnetic devices (1)	data magnetically. A (2)	(2 words) spins the disk at high
	or writes new (4)	
		can only (6)1.44 MB of data; it's often
called A: (/) and	is relatively (8)	1.10 (10)
Most PCs have one (9)	hard disk, usually call	led C: (10), which can (11)
		keep the (14), the programs and
the user's (15)	easily available for use.	
		they are not affected by (18) magnetic fields ; but rs (20) accept all CD and DVD (21) formats .
CDs (compact discs) can (2	(2) up to 650-700 MB	of (23)
• CD-ROMs (read only n	nemory) are 'read-only' units, so y	you (24) (3 words) stored on
them (e.g. a dictionary	or a game).	
• CD-R (25)) discs are write-once device	es which let you (26) CDs.
		you to write onto them in (29)
sessions, like a hard dis	k.	
structure and (32) capacity store from 4.7 GB to 17 GH CDs. DVD formats include	. DVDs have more (33) tracks and 3 of data, (36) movies , high-defini	(both are 1.2 mm thick), but they (31) differ in d more pits (tiny holes) per (34) track , and can (35) ition sound, etc., so they will probably (37) replace DVD-RW or DVD+RW
Disks and drives (B)		
or writes new (4) data onto A floppy disk drive uses 3.5 drive and is relatively (8) s Most PCs have one (9) inte	o it. 5 (5) inch diskettes which can only low . ernal hard disk, usually called C: (ve spins the disk at high speed and reads its (3) data y (6) hold 1.44 MB of data; it's often called A: (7) (10) drive, which can (11) hold several (12) system, the programs and the user's (15) files easily
Optical storage		
Optical drives use a (16); but they CD and DVD (21)	y are slower than (19)	, so they are not affected by (18) Modern DVD recorders (20) all
 CD-ROMs (read only redictionary or a game). CD-R (25) recordable) discs are write-once devices which	you (24) cannot change data stored on them (e.g. a
in structure an	d (32) DVDs have m	size to CDs (both are 1.2 mm thick), but they (31) nore (33) and more pits (tiny holes)
per (34) , and c	can (35) from 4.7 GB	to 17 GB of data, (36) , high-definition
sound, etc., so they will pro	bably (37) CD	s. DVD formats include:
 DVD-ROM 	DVD-R or DVD+R	DVD-RW or DVD+RW

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"New Math" by Tom Lehrer

Fill in the missing words.
You can't take three from two, Two is
a ten to ten ones, And you4) 'em to the two and get twelve, And you take away three, that's nine. Is that clear?
Now instead of four in the tens place You've got three, 'Cause you added one, That is to say, ten, to the two, But you can't take seven from three, So you look in the hundreds place.
From the three you then use one to make ten ones (And you know why four plus
Cause addition is commutative, right!) And so you've got thirteen tens And you take away seven, And that
But the idea is the important thing! Now go back to the hundreds place, you're left with two, And you take away one from two, And that
Everybody get one? Not bad for the first day!
Hooray for New Math, New-hoo-hoo Math, It won't do you a bit of good to review math. It's so simple, So very simple, That only a child can do it!
Now, that

Base eight is just like12)
ten really –
if you're missing two fingers!
Shall we have a go at it? Hang on
You can't take three from two,
Two is13) than three,
So you look at the four in the eights place.
Now that's really four eights,
So you make it three eights,
¹⁴⁾ , and you
And you
And you16) 'em to the two,
And you get one-two ¹⁷⁾ eight,
Which is ten
And you take away three, that's seven.
OK?
Now instead of four in the eights place
You've got three,
'Cause you added one,
That is to say, eight, to the two,
But you can't take seven from three,
So you look at the sixty-fours
"Sixty-four?
How did sixty-four get into it?"
I hear you cry! Well, sixty-four is eight
squared, don't you see?
"Well, ya ask a silly question,
ya get a silly answer!"
To all all all
From the three, you then use one
To make eight ones,
You
And you get one-three ²⁰⁾ eight,
Or, in other words,
In ²¹⁾ ten you have eleven,
And you take away seven,
And seven from eleven is four!
Now go back to the sixty-fours,
You're left with two,
And you take away one from two, And that??
And that ·?
Now lat's not always soo the same hands!
Now, let's not always see the same hands! One, that's right.
Whoever got one can stay after the show
and clean the erasers.
and cream the crasers.
Hooray for New Math,
New-hoo-hoo Math!
It won't do you a bit of good
to review math.
It's so simple,
So very simple,
That only a child can do it!

X-word: Printer

Fill in the x-word by asking your neighbour questions like this: *What is F1 across? or What is A1 down?*Cover one of the two grids and answer your neighbour's questions by giving explanations - NOT USING THE WORD ITSELF.

student A: student B: ABCDEFGHIJKLMNOPQRST ABCDEFGHIJKLMNOPQRST Ρ Α G E D Ρ Р R СТ Т Ρ 1 Ρ Ν R L 2 Α Κ 3 D M E M O R Y CARD 0 S 3 Ε Ν 4 J 5 5 Т F Т R U Α В Ε Ε 6 Е Ε 6 В Α Т 7 7 R U Χ Χ R Ν В Ε 8 8 Н Т Н S C A N N E R В 9 10 O Т Μ 10 L R Ε R O S ТА Т 11 С Ε 11 12 R Α G В 12 13 R Μ Ε 13 RESOL UT 0 14 O Ν Ε S Ε 0 14 R Ε 15 L В 15 Т Ν NT 16 L Е R Ν G Α Т 16 Ε 17 Α Т D O TS 17 18 R Μ Ε Т F U N C ТІ O N М υ 18 19 R 19 CA R T R I D G 20 Ε С 20 С C H A R G E

ACTIVE VS PASSIVE

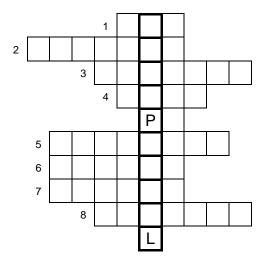




	Active			Passive: be"+-ed (past partic.)				
	S P O			S	0			
Infinitive	They	(build)	the road.	The road	(be built)	(by them).		
Present		build			is built			
Past		built			was built			
Future		will build	d		will be buil	t		
Present Perfect		have bui	lt	has been built				
Past Perfect		had buil	t	had been built				
Future Perfect		will have b	uilt	will have been built				
Present Progressive		are buildii	ng	is being built				
Past Progressive		were buildi	ing	was being built				
Future Progressive		will be build	ling	will be being built				
Present Perfect Progressive	h	ave been bu	ilding	has been being built				
Past Perfect Progressive	had been building			had been being built				
Future Perfect Progressive	will	have been l	building	will have been being built				
modals e.g. "must"		must buil	ld	must be built				

Input devices, output devices & storage devices

- 1. It has various groups of keys: alphanumeric keys, a numeric keypad, function keys, cursor keys and dedicated keys.
- 2. It reads codes consisting of a series of black and white stripes used to give products a unique identification number.
- 3. It stores photos as digital data on a tiny storage device known as a flash memory card.
- 4. It lets you send and receive live video pictures through the internet. The resolution is expressed in megapixels. Some include a headset with a microphone and earpiece.
- 5. It uses a laser beam to fix the ink to the paper. A powder called toner is attracted to paper by an electrostatic charge and then fused on by a hot roller.
- 6. This is a special device which used ink and fine pens held in a carriage to draw detailed designs.
- 7. LCDs using TFT technology offer better quality and take up less space, so they are replacing CRTs, which can flicker and emit radiation. The viewing area is measured diagonally, e.g. 17". Colour depth refers to the number of colours the device can display.
- 8. It's usually called C: drive and can hold several gigabytes of data.
- 9. They are found in cameras, PDAs and music players.
- 10. You can move the pointer on the screen using this sensitive device.
- 11. An upright handle used to control a computer game
- 12. It is a hand-held device that lets you move the cursor and select items on the screen. A scroll wheel lets you move through your documents. It can have a cable or it can be cordless (wireless). You can use the buttons to click, double-click, drag and right-click.
- 13. It is built like a photocopier and is for use on a desktop; it can capture text, colour images and even small 3D objects. The resolution of a scanner is measured in dpi.
- 14. It uses a group of pins to create precise dots. A print head containing tiny pins stress an inked ribbon to make letters and graphics. Using this technology it is possible to print multi-part forms such as receipts and graphics. Disadvantages are the noise and a relatively low resolution.
- 15. This device can store up to 650-700 MB of data.
- 16. It generates an image by spraying tiny, precise drops of ink onto the paper. A standard device has a three-colour cartridge, plus a black cartridge. There are also multi-function printers which can work as a scanner, a fax, a photocopier as well.
- 17. This device can store from 4.7 GB to 17 GB of data.
- 18. You speak into it to record your voice.
- 19. You put your finger on it to tell the computer what to do.
- 20. They are connected to the USB port of the computer. They let you save and transfer data easily.



- 1. This scanner has a resolution of 300x600
- 2. A ... lets you copy photos and printed documents into your PC.
- 3. It has become one of life's most familiar sounds the beep of the supermarket till whenever a ... is scanned.
- 4. To scan photographic negatives or slides you will need a .. scanner.
- 5. A ... scanner is small enough to hold in your hand.
- 6. If you need to scan 35mmm ... you should go for a dedicated 35mmm film scanner which concentrates all its dots into a tiny area.
- 7. Most digital cameras use flash ... cards to store photos.
- 8. ... scanners have a flat surface and take at least A4-sized documents.

BIOS – Basic input output system

booted	ete the text with these words/expressions • executed • executed • hardware • hardwerent • motherboards • unalterable • upd	ware • i	nitial code • initialize • management •			
	stands for basic input output system and i					
	1) run by a personal comp	uter. O	perating between the2)			
	gher software levels, its primary function					
can be	3), i.e. loaded and		4). It is embedded on a chip that			
works	directly with the5) and p	perinhe	ral devices of a system and deals with			
quite e	elementary operations such as writing ind	ividual	bytes onto the monitor or a disk.			
BIOS	routines used to be stored in ROM and w	ere	6). Nowadays the			
BIOS	are usually held on EEPROM or flash me	emory d	levices which offer the advantage of			
being 'downs	"electronically erasable", i.e. they can easide, however, is that an improperly config	sily be _ gured E	7) by the user. The BIOS can cause the system to crash.			
To cou	interact such problems some		_8) have a backup or so-called Dual			
BIOS.	Most BIOS also have a "boot block" whi	ich is a	section of the ROM which runs first			
	nnot be changed. This code checks wheth	ner the 1	rest of the BIOS is in order before			
procee	ding further.					
Initiall	y BIOS9) most of the in	put-out	put tasks but more modern operating			
system	as took over such jobs, leaving the BIOS	to simp	ly10) the setup and			
	rap. More recently, though, BIOS has take					
	11), hotplug and therm					
	as become more complex and interfacing					
priority	-	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	to operating systems a matter of mgn			
Decide	e if these statements are true or false acco	ording 1	to the text.			
1	BIOS is a hardware device.					
		e for al	I types of computer systems			
3.	 BIOS is the term used for the initial code for all types of computer systems. BIOS performs very basic tasks 					
4.	1					
5.	•		<u> </u>			
6.	\mathcal{E}					
Match	the words on the left with their equivaler		-			
		,				
	inspecting	a)	to pass over			
2. 3.	e e e e e e e e e e e e e e e e e e e	b)	to understand to examine			
3. 4.	terminating existing	c)	to register			
5.	skipping	e)	to work			
	reading	f)	to employ			
	updating	,	to end			
	logging	_	to work on			
	forwarding	i)	to be			
	running	j)	to write down			
	processing	k)	to pass on			
	mounting	1)	to make modern			
13.	using	m)	to start			

Insert the words given in the correct form.

		your solution:
1.	Bob has got a very old PC, but Pete's computer is even (old).	
2.	The last experiment was surely the (hard).	
3.	She drove (slow) to the garage.	
4.	Can't you work (thorough)? I have no time for correcting your mistakes.	
5.	This disease is (good) researched.	
6.	Last Monday I (miss) the lecture.	
7.	Since my childhood I (live) here.	
8.	The party (finish) when they arrived.	
9.	The professor (explain) the task in the last seminar.	
10.	What are your plans for the evening? I (stay) here because I have to prepare a presentation for the seminar.	
11.	If Pete (come) this afternoon, we could go to the movies.	
12.	I would rather study chemistry, if I (be) John.	
13.	The vaccines would have been used, if the effectiveness (prove).	
14.	I (go) to Spain in July. I have already bought my ticket.ss	
15.	The hard disk (replace) next week.	
16.	These are very interesting (phenomenon).	
17.	I have two (wish) for my next birthday.	
18.	Some students (have) a break, while the others were learning.	
19.	I do not know anything about the company (?) products are so expensive.	
20.	We need to retrieve (much/ many) information than we thought in the first place.	

Timothy Berners-Lee

- 1. What and where did Timothy Berners-Lee study?
- 2. Which reaction of the Americans did the launch of the Soviet Sputnik trigger?
- 3. When was the term "internet coined?
- 4. Which problem did the first internet computers have?
- 5. What was B.L.'s task at CERN (European Organization for Nuclear Research in Geneva, Switzerland) in 1984?
- 6. How was the web revolutionized in 1993?

Explain:

- hypertext
- hyperlinks
- HTML
- browser
- URL

Finish this:

Timothy Berners-Lee is the man who...



Newton

In 1665, Isaac Newton	(be) a young scientist	(study) at			
Cambridge University in Engla	nd. He(be) ver	ry interested in			
(learn) all about light and colou	rs. One bright sunny day, New	rton (darken) his			
room and (mak	e) a hole in his window shutter	r, (allow) just			
one beam of sunlight to	hen (take) a				
glass prism and	(place) it in the sunbeam. The	result (be) a			
spectacular multicoloured band of light just like a rainbow. The multicoloured band of light					
(call) a colour	spectrum.				
Newton (believ	ve) that all the colours he	(see) were in the			
sunlight shining into his room. He (think) he then should be able to combine					
the colours of the spectrum and (make) the light white again. To test this, he					
(place) another prism upside-down in front of the first prism. He					
(be) right. The b	oand of colours	(combine) again into white			
sunlight. Newton	_ (be) the first to prove that v	vhite light (make			
up) of all the colours that we ca	n see.				

