Vocabulary

1 Unscramble the letters and find out the names of some machines. Copy the letters in the numbered cells to other cells with the same number and you will be able to read the hidden sentence.

INVENTIONS

RITRNPE [ ][ ][ ][ ][ ][ ][ ] (cell 4: 8, cell 5: 30, cell 6: 17)

MEPHIBNOOLE [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 1: 28, cell 6: 33, cell 9: 2, cell 10: 12, cell 11: 25)

BUOMEITOLA [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 1: 31, cell 5: 3)

SIHHADWSRE [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 1: 26, cell 2: 19, cell 3: 13, cell 5: 14, cell 7: 1, cell 9: 23)

BEKOO [ ][ ][ ][ ][ ] (cell 1: 4, cell 5: 32)

NECGHMIHAASWNI [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 3: 20, cell 5: 29, cell 12: 5, cell 14: 15)

MECTUPRO [ ][ ][ ][ ][ ][ ][ ][ ] (cell 1: 21, cell 2: 11, cell 7: 7, cell 8: 16)

GULBITBLH [ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 2: 10, cell 5: 9, cell 6: 27)

GINNIICOORIDTAN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (cell 3: 24, cell 7: 18, cell 11: 22, cell 12: 6)

Hidden sentence:

[1][2][3][4] [5][6][V][7][8][9][10][11][12][13] [14][15][16][17] [18][19][20][21][22][V][23][24][25][26] [27][y] [28][29][13][30][31][32][33] .

Grammar

1- Complete the chart with the missing verb forms (active or passive).

Tense	Active	Passive
Present	They discover new machines.	New machines _____.
Present Continuous	They _____ new machines.	New machines are being discovered.
Present Perfect	They _____ new machines.	New machines have been discovered.
Past	They discovered new machines.	New machines _____.
Past Continuous	They _____ new machines.	New machines were being discovered.
Past Perfect	They _____ new machines.	New machines had been discovered.
Future	They will discover new machines.	New machines _____.
Passive with Modals	They can discover new machines.	New machines _____.

2 Choose the right verb for each sentence and put it in the past participle form.

KILL COOK TRANSLATE OFFER CHANGE
ATTACK MAKE BUILD ROB

1) The bed has been .....
2) The book was ..... into five languages.
3) When was this house .....?
4) There is something different in this room. I know! The sofa has been .....
5) The city was ..... by the terrorists and five people were .....
6) Cakes are ..... at 200 ºC for half an hour.
7) My grandmother was ..... on her way home. She had €100 in her handbag and now she has nothing.
8) I was ..... a job as a waiter last summer.

3 Change these sentences into passive.

(x) = Do not include the Agent in the passive sentence.
(+) = Include the Agent in the passive sentence.

1They do not accept credit cards in this restaurant. (x)
Credit cards ...
2 Mechanics repair cars at that garage. (x)
Cars ...
3They serve fast food at that shop. (x)
Fast food ...

4 My grandfather flew an aeroplane twenty years ago. (+)
An aeroplane ...
5 John has sent an email. (+)
An email ...
6 She mustn't invite me to her party. (x)
I ...

4 Write these sentences in the active voice.

1 His leg was broken in a car accident.
He .....
2 The new school was built last year.
They .....
3 A great party was hold in the city square some time ago.
They .....
4 Spanish is spoken in a lot of countries. -
They .....
5 You have been invited to lunch next week.
They .....
6 Two of my crystal glasses have been broken -
The children .....
7 That bank was used as a prison in 1900.
They .....

5 Rewrite the sentences in Passive voice. Give two answers for each sentence. Use the two objects in each active sentence as subject of the passive ones.

Example:
Mario gave Anne some flowers.

Anne was given some flowers.
Some flowers were given to Anne.

_____

1) I asked my teacher a question.
.....
.....
2) The waiter brought us an enormous salad.
.....
.....
3) My friend can give me a surprise today.
.....
.....
4) The teacher gave the students some photocopies.
.....
.....
5) Maria has not sent me a text message.
.....
.....

READING

Read the text and answer the questions below.

A GREAT INVENTOR

Leonardo da Vinci was one of the most important inventors of all times. He became fascinated with machines since his boyhood. He was an apprentice in the studio of the artist Verrocchio, where he observed and used a great variety of machines. In his earliest sketches, it was shown how various of these machines worked.

Many ancient machines were being used in Leonardo's time. Water wheels, for example, turned millstones to grind grain and Archimedes' screws lifted water from streams providing a ready supply for drinking and washing. But Leonardo felt the need to discover new kinds of machines so he started to modify the old ones and combine their parts in different ways to improve them or to create inventions that no one had ever seen before.

Apart from that, Leonardo's skill as an illustrator allowed him to draw his mechanical ideas with exceptional clarity. Five hundred years after they were put on paper, many of his sketches can easily be used as blueprints to create perfect working models.

It is also known that Leonardo described and sketched ideas for many inventions hundreds of years ahead of their time. But only very few of these were built and tested during his life. Though his notes suggest that he wished to organize and publish his ideas, he died before he could accomplish this important goal. After his death, his notebooks were hidden or lost, and his wonderful ideas were forgotten. Centuries passed before other inventors appeared with similar ideas and brought them to practical use.

Adapted from: http://www.mos.org/sln/Leonardo/

Glossary:
-Millstone (n):one of a pair of large circular flat stones used to crush grain to make flour.
-Grind(v): to make something into small pieces or a powder by pressing between hard surfaces
-Blueprint(n): a photographic copy of an early plan for a building or machine.
-Screw(n): a thin pointed piece of metal with a raised edge which is used to join things together, especially pieces of wood.
-Stream(n): water that flows naturally along a fixed route formed by a channel.

A. Answer the following questions.

1 Where did Leonardo start working as an apprentice?
2 What two inventions already existed in Leonardo's time?
3 Do you think that Leonardo was good at drawing? How do you know that?
4 Were all Leonardo's ideas turned into real machines?
5 Was Leonardo a visionary* of the future? Why? / why not?

*Visionary: a person who has the ability to imagine how a country, society, industry, etc. will develop in the future and to plan in a suitable way

B. Find words in the text for the following definitions.

1 The period when a person is a boy, and not yet a man.
2 A person who works for a skilled person for a particular period of time in order to learn that person's skills.
3 A simple drawing which does not have many details.
4 Of or from a long time ago, having lasted for a very long time
5 A circular object connected at the centre to a bar, which is used for making vehicles or parts of machines move.
6 To get better.
7 Before.

C. Find four examples of passive verbs in the text.

ANSWER KEY

VOCABULARY

1

PRINTER	DISHWASHER	COMPUTER
MOBILE PHONE	EBOOK	LIGHT BULB
AUTOMOBILE	WASHING MACHINE	AIR CONDITIONING

GRAMMAR

1

They discover new machines.	New machines are discovered.
They are discovering new machines.	New machines are being discovered.
They have discovered new machines.	New machines have been discovered.
They discovered new machines.	New machines were discovered.
They were discovering new machines.	New machines were being discovered.
They had discovered new machines.	New machines had been discovered.
They will discover new machines.	New machines will be discovered.
They can discover new machines.	New machines can be discovered.

2

1) Made
2) translated
3) built
4) changed
5) attacked / killed
6) cooked
7) robbed
8) offered

3

1. Credit cards are not accepted in this restaurant.
2. Cars are repaired at that garage.
3. Fast food is served at that shop.
4. An aeroplane was flown by my grandfather twenty years ago.
5. An email has been sent by John.
6. I mustn't be invited to her party.

4

1 He broke his leg in a car accident.
2 They built the new school last year.
3 They celebrated a great party.

4 They speak Spanish in a lot of countries.
5 They have invited you to lunch next week.
6 The children have broken two of my crystal glasses.
7 They used the bank as a prison in 1900.

5

1 My teacher was asked a question.
A question was asked to my teacher.
2 We were brought an enormous salad.
An enormous salad was brought to us.
3 I can be given a surprise
A surprise can be given to me.
4 The students were given some photocopies.
Some photocopies were given to the students.
5 I haven't been sent a text message.
A text message hasn't been sent to me.

READING

A.

1 At Verrocchio's studio
2 Water wheels and Archimedes' screws
3 Yes, he was good at drawing because he was able to draw his ideas with exceptional clarity.
4 No, they weren't
5 Yes, he was, because he described a lot of ideas for inventions a lot of years ahead of their time.

B.
1 Boyhood
2 Apprentice
3 Sketch
4 Ancient
5 Wheel
6 Improve
7 Ahead

C.
Was shown
were being used
were put
can be (easily) used
is (also) known
were built and (were) tested
were hidden or (were) lost
were forgotten