



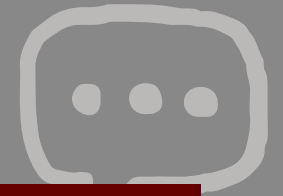
MATERIA:

Inglés Técnico

Modulo: ***COMPUTERS TODAY***

Docente:

Grupo:



LEARNING OBJECTIVES

SWBAT:

Number basic elements of computers

Classify computer devices

Identify different functions of computers

Identify collocations about computers

Translate information about computer devices

What is a computer?

A computer is an electronic device, operating under the control of instructions stored in its own memory that can accept data (input), process the data according to specified rules, produce information (output), and store the information for future use.



Any digital computer carries out five functions in gross terms:

- ☐ Takes data as input.
- ☐ Stores the data/instructions in its memory and use them when required.
- ☐ Processes the data and converts it into useful information.
- ☐ Generates the output
- ☐ Controls all the above four steps.

Hardware:

Computer hardware is the collection of physical elements that constitutes a computer system. Computer hardware refers to the physical parts or components of a computer such as the monitor, mouse, keyboard, computer data storage, hard drive disk (HDD), system unit (graphic cards, sound cards, memory, motherboard and chips), etc. all of which are physical objects that can be touched.

Software

Software is a generic term for organized collections of computer data and instructions, often broken into two major categories: system software that provides the basic non-task-specific functions of the computer, and application software which is used by users to accomplish specific tasks.

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NOMBRA CADA PARTE DE LA COMPUTADORA EN ESPAÑOL.

PARTS OF THE COMPUTER



① Monitor

② Modem

③ System unit

④ Mouse

⑤ Speaker

⑥ Printer

⑦ Keyboard

2. BASADO EN LA LECTURA, RESPONDE LAS SIGUIENTES PREGUNTAS.

1. What is a computer?
2. What does the computer take as input?
3. Where does the computer store data/instructions?
4. What does the computer convert the data into?
5. What is computer hardware?
6. What does computer hardware refer to?
7. What is software?
8. How is it often divided into?
9. What is system software?
10. What is application software?

COLLOCATIONS

It refers to how words go together and form fixed relationships. Ex: perform operations, send texts, store information, do research, display data, access the internet, etc.

3. FORMA “COLLOCATIONS” CON LAS SIGUIENTES PALABRAS.

**messages-information-video clips-calculations-the Web-
the internet-music-industrial robots-money-products**

- 1. store**
- 2. do**
- 3. send**
- 4. design**
- 5. access**
- 6. make**
- 7. transfer**
- 8. download**
- 9. do**
- 10. search**

Computers affect nearly every aspect of our lives. Although there are disadvantages to using a computer, we believe the advantages greatly outweigh them. If you're indecisive about whether or not to buy a computer, perhaps these five advantages can help convince you.

1. Increase your productivity

Computers increase your productivity and, with a good understanding of the software running on them, you become more productive at everything you do. For example, once you have a basic understanding of using a word processor, you can create, store, edit, share, and print documents and letters.

1. Can store vast amounts of information and reduce waste:

Computers can store and access vast amounts of information. For example, devices like eBook readers store hundreds or thousands of books, given enough storage capacity. By storing books, documents, movies, pictures, and songs digitally, you can quickly find what you need by searching and sharing information between devices.

3. Helps sort, organize, and search through information

A computer can use its stored information more efficiently than any other device. In our earlier example, we mentioned the ability to store thousands of books. Once those books are stored on a computer, they can be sorted into categories, alphabetized, and searched to find what you're looking for in a few seconds. Trying to find the exact text in a thousand books would take years.

4. Improves your employment options

Knowing how to use a computer and having a computer can improve your employment options and even work from home. For example, in the 2020 COVID-19 outbreak, many offices needed their employees to work from home. Knowing how to use a computer and having a computer at home allowed many office workers to continue their work even during the crisis. Also, by getting skilled at computers, you'll be more qualified for other positions, allowing you to change your position or place of employment for higher pay.

5. Keep you entertained

With a computer, you could store and listen to millions of songs and watch a DVD or Blu-ray movie if you have a disc drive. When connected to the Internet, you could watch an endless amount of streaming and online videos from popular sites, like Amazon, Netflix, and YouTube.

4. BASADO EN LA LECTURA “FIVE ADVANTAGES OF USING A COMPUTER”, DESARROLLA LA SIGUIENTE ACTIVIDAD Y SELECCIONA DEL BANCO DE PALABRAS LA MÁS INDICADA PARA COMPLETAR CADA ORACIÓN.

BOOKS

OFFICE WORKERS

PRODUCTIVITY EMPLOYMENT

INFORMATION STREAMING

DEVICE

ASPECT

STORAGE

SOFTWARE

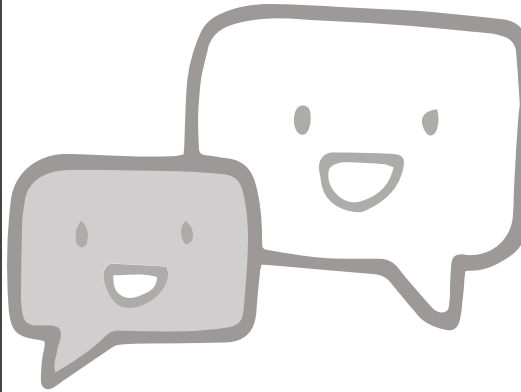
1. Computers affect nearly every _____ of our lives.
2. Computers increase your _____.
3. With a good understanding of the _____ running on the computers, you become more productive at everything you do.
1. Computers can store and access vast amounts of _____.
2. eBook readers store hundreds or thousands of books, given enough _____ capacity.
3. A computer can use its stored information more efficiently than any other _____.
4. Once those _____ are stored on a computer, they can be sorted into categories, alphabetized, and searched to find what you're looking for in a few seconds.
1. Having a computer can improve your _____ options and even work from home.
2. Knowing how to use a computer and having a computer at home allowed many _____ to continue their work even during the crisis.
1. When connected to the Internet, you could watch an endless amount of _____ and online videos from popular sites, like Amazon, Netflix, and YouTube.

5. BASADO EN LA LECTURA “FIVE ADVANTAGES OF USING A COMPUTER”, BUSCA EL SIGNIFICADO EN ESPAÑOL DE LAS SIGUIENTES PALABRAS QUE APARECEN EN LA LECTURA.

1. word processor...
2. waste (v)
3. store (v)
4. storage capacity
5. devices
6. sorted
7. employment options
8. COVID-19 outbreak
9. skilled (adj.)
10. higher pay
11. manufacturers
12. Blu-ray movie
13. streaming videos
14. online videos
15. Popular sites

6. Cambia estas oraciones al idioma Inglés.

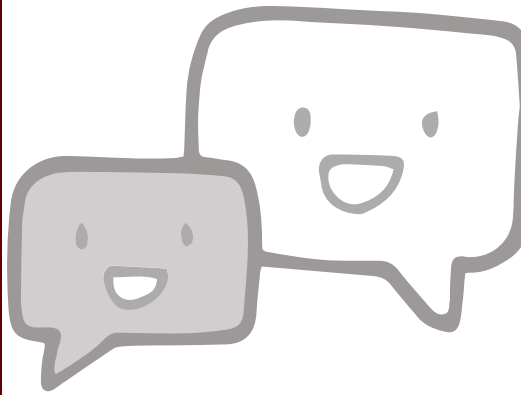
1. Necesito una computadora táctil.
2. En los bancos, las computadoras guardan información sobre el dinero de cada cliente y permiten realizar transacciones financieras a alta velocidad.
3. Los pilotos de aerolíneas usan computadoras para ayudarse a controlar el avión.
4. Las computadoras ayudan a los estudiantes a realizar operaciones matemáticas y a mejorar sus habilidades en Matemática.
5. La banca en línea te permite hacer transferencias de dinero entre tus cuentas fácilmente.



6. Los dispositivos de almacenamiento proveen un almacenamiento permanente de datos y programas.
7. El disco duro es el cerebro de la computadora.
8. Las computadoras hacen todos los cálculos usando un código hecho de solamente dos números-el 0 y el 1.
9. Estamos buscando una computadora personal.
10. ¿Cuánto es la capacidad de almacenamiento del disco duro?

7. Cambia estas oraciones al idioma Español.

1. Both computers are very fast and reliable.
2. We are now living in what some people call the digital age.
3. Computers are used to access the internet, to do basic research, and to communicate with other students around the world.
4. Mobiles let you make voice calls, send texts, email people and download logos, ringtone or games.
5. Nowadays, it is almost impossible to imagine life without the magic of computers.



6. What makes your computer such a miraculous device?
7. In many universities, students are encouraged to give presentations using PowerPoint in order to make their talks more visually attractive.
8. The central processing unit (CPU) is perhaps the most influential component to execute program instructions and coordinate the activities of all the other units.
9. A PDA (Personal Digital Assistant) is small enough to fit into the palm of your hand.
10. What type of memory is temporary?

disk drives-hardware-software-control unit-registers-CPU-output devices-motherboard-buses-bus width

1. *They enable us to extract the finished product from the system:_____.*
2. *It is the main circuit inside your system:_____.*
3. *It is the nerve center of a PC:_____.*
4. *Any electronic or mechanical part you can see or touch:_____.*
5. *A set of instructions, called a program, which tells the computer what to do:_____.*

8.b LLENA LOS ESPACIOS CON EL BANCO DE PALABRAS.

disk drives-hardware-software-control unit-registers-CPU-output devices-motherboard-buses-bus width

6. *They are used to read and write data on disks:_____.*
7. *It examines the instructions in the user's program, interprets each instruction and causes the circuits and the of the components to execute the functions specified:_____.*
8. *They are high-speed units of memory used to store and control data:_____.*
9. *It determines how much data can be transmitted:_____.*
10. *They are electrical channels which allow devices inside the computer to communicate with each other._____*

Laptops are portable computers that integrate the display, keyboard, a pointing device or trackball, processor, memory and hard drive all in a battery-operated package slightly larger than an average hardcover book.

<https://computer.howstuffworks.com/10-types-of-computers.htm>

The first true commercial laptop, though, was a far cry from the svelte devices crowding retail shops today. The Osborne 1, released in 1981, sold for around \$1,800, had 64 kb of memory — and weighed about 24 pounds (10 kilograms). As it toned your biceps, the Osborne 1 also gave your eyes a workout, as the screen was just 5 inches (12 centimeters) [source: [Computing History](#)].

Fortunately, manufacturers quickly improved upon the look and feel of laptops. Just two years later, Radio Shack's TRS-80 Model 100 packed its component into a 4-pound (8 kilogram) frame, but it lacked power. By the end of the decade, NEC's UltraLite smashed barriers by cramming real computing efficiency into the first true notebook (i.e. very light laptop) style, which weighed just 5 pounds (2.2 kilograms). The race to ultra-portability was officially on [source: [Bellis](#)]. However, laptops didn't overtake PCs in sales until 2005 [source: [Arthur](#)].

9. BASADO EN LA LECTURA SOBRE LAPTOPS, COMPLETA LA INFORMACIÓN EN LAS SIGUIENTES PREGUNTAS.

1. Portable computers that integrate the display, keyboard, a pointing device or trackball, processor, memory and hard drive all in a battery-operated package:_____.
2. The first true commercial laptop:_____.
3. Year it was released:_____.
4. Price it was sold:_____.
5. Weight it had:_____.
6. Size of the screen:_____.
7. Year Radio Shack's TRS-80 Model 100 packed its component into a 4-pound (8 kilogram) frame:_____.
8. Name of company that created a very light laptop at the end of that decade:_____.
9. Weight of the very light laptop:_____.
10. Year that laptops overtook PCs in sales:_____.



10. COMPLETA LA SIGUIENTE DESCRIPCIÓN DE LA MEJOR LAPTOP PROFESIONAL. USA EL BANCO DE PALABRAS PARA LLENAR LOS ESPACIOS.

perform **word processor** **online** **download** **digital** **built-in** **store** **personal**
monitor **data**

I bought a new MacBook Pro last month, and I've been very happy with it so far. The Intel Core 2 Duo processor is a real bonus, allowing the computer to (1) _____ tasks faster than earlier MacBook models; the 160GB hard drive is large enough to (2) _____ all of my music, photos and videos; and I didn't even need to buy an external (3) _____ – the widescreen 17" display is easy to look at, even for long periods of time.

Another great feature is the (4) _____ iSight camera; it can be used for webchats, to make video podcasts, or even just to take (5) _____ photos. Software updates are easy, too:

If you're (6)_____ just surfing the Web or checking email – and an update becomes available, _____ box appears asking if you want to (7)_____ the update. You just click *OK*, and it's done. I don't even have to worry about security either. Every time I transmit (8)_____ from my computer on the Internet, Apple's Safari web browser protects my (9)_____ information, such as bank details and credit card numbers, using a firewall.

The only criticism I have is the lack of a good (10) _____, such as Microsoft Word. I had to buy a copy of Microsoft Office 2008 in the end, which cost an extra £99.95 – and that's *with* a student discount!

Tablets have largely replaced the niche netbooks occupied. Tablets are thin, flat devices that look like larger versions of smartphones. They were first manufactured in 2000 by Lenovo, but popularized by Apple in 2010 with the release of its iPad [source: Bort].

Tablets can do pretty much all the functions that laptops do, but don't have the internal fans that PCs have. So they have to rely on lower-performing processors that won't use as much heat or battery power. They also have less storage capacity than traditional PCs. Older tablets used the same operating systems as mobile phones but the newer tablets use a full operating system such as Microsoft Windows 10 [source: Lenovo].

Tablets are more portable than PCs, have a longer battery life yet can also do smartphone-like activities such as taking photos, playing games and drawing with a stylus. For those who like the keyboard functionality of a laptop, some tablets come with a keyboard (attached or detachable), allowing you to combine the best of both worlds.

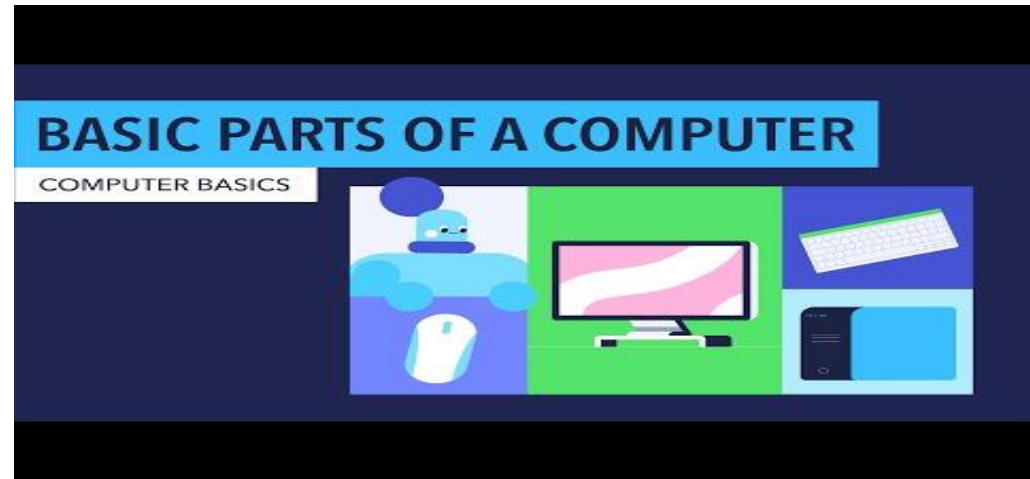
11. BASADO EN LA LECTURA SOBRE TABLETS, DETERMINA SI LA INFORMACIÓN EN LAS SIGUIENTES ENUNCIADOS ES FALSA O VERDADERA.

1. Netbooks have largely replaced the niche tablets occupied. _____
2. Tablets are thin, flat devices that look like larger versions of smartphones. _____
3. Tablets were first manufactured in 2010. _____
4. Tablets were popularized by Lenovo in 2010 with the release of its iPad. _____
5. Tablets can do pretty much all the functions that laptops do. _____
6. Tablets have the internal fans that PCs have. _____
7. Tablets have less storage capacity than traditional PCs. _____
8. Older tablets used the same operating systems as mobile phones. _____
9. Newer tablets also use the same operating systems as mobile phones.
10. Tablets can also do smartphone-like activities such as taking photos, playing games and drawing with a stylus. _____

12. BASADO EN LAS DOS LECTURA ANTERIORES, DETERMINA SI LA INFORMACIÓN EN LAS SIGUIENTES ENUNCIADOS SE REFIERE A LAPTOPS O TABLETS.

1. They rely on lower-performing processors that won't use as much heat or battery power.
2. Radio Shack's TRS-80 Model 100 packed its component into a 4-pound (8 kilogram) frame.
3. The first true commercial model, though, was a far cry from the svelte devices crowding retail shops today.
4. They were first manufactured in 2000 by Lenovo.
5. Newer models use a full operating system such as Microsoft Windows 10.
6. Some models come with a keyboard (attached or detachable), allowing you to combine the best of both worlds.
7. The Osborne 1 also gave your eyes a workout as the screen was just 5 inches (12 centimeters).
8. NEC's UltraLite smashed barriers by cramming real computing efficiency into the first true notebook style, which weighed just 5 pounds (2.2 kilograms).
9. They integrate the display, keyboard, a pointing device or trackball, processor, memory and hard drive all in a battery-operated package.
10. They are thin, flat devices that look like larger versions of smartphones.

13. VIDEO ACTIVITY: BASIC PARTS OF A COMPUTER



What parts of the computer do you know in English?

Ex: keyboard, desktop, mouse, monitor, laptop, computer case. Watch the video two or three times or as many times as possible.



FACTS BASED ON THE VIDEO ABOUT THE BASIC PARTS OF A COMPUTER .

- 1. There are many different types of computers._____**
- 2. All computers use the same parts to operate._____**
- 3. A standard desktop model holds the main components of the computer.**
- 4. Today, most cases are what we call tower cases._____**
- 5. Most cases are called tower cases because they stand up vertically._____**
- 6. To view things on your computer, you'll need a monitor._____**
- 7. The monitor uses the video processor inside your computer case to display images, text, and other content._____**

8. Keyboards come in many different styles including wireless and ergonomic.

9. To interact with your computer, you'll need a keyboard and a mouse._____

11. The touchpad is a small sensitive area that takes the place of a traditional mouse._____

12. Laptops offer the best of both worlds when it comes to portability. You can use them on the go thanks to the built-in battery or you can connect a separate monitor, keyboard, and mouse effectively turning your laptop into a desktop._

13. a BASADO EN EL VIDEO “BASIC PARTS OF A COMPUTER” DETERMINA SI LAS ORACIONES SIGUIENTES SON FALSAS O VERDADERAS.

- 1. All computers use different parts to operate._____**
- 2. A standard desktop model holds the main components of the computer.**
- 3. Today, most cases are what we call tower cases._____**
- 4. Most cases are called tower cases because they stand up horizontally._____**
- 5. To view things on your computer, you'll need a monitor._____**
- 6. The keyboard uses the video processor inside your computer case to display images, text, and other content._____**

13. b BASADO EN EL VIDEO “BASIC PARTS OF A COMPUTER” DETERMINA SI LAS ORACIONES SIGUIENTES SON FALSAS O VERDADERAS.

7. Keyboards come in many different styles including wireless and ergonomic.

8. To interact with your computer, you’ll need a monitor and speakers._____

9. The touchpad is a small sensitive area that takes the place of a traditional mouse._____

10. You can use laptops on the go thanks to the monitor, keyboard, and mouse._____

