

Computer: Hardware Test

Identify: Input – Output – Storage

Write **Input**, **Output**, or **Storage** in the blank to the right of each part of the computer.

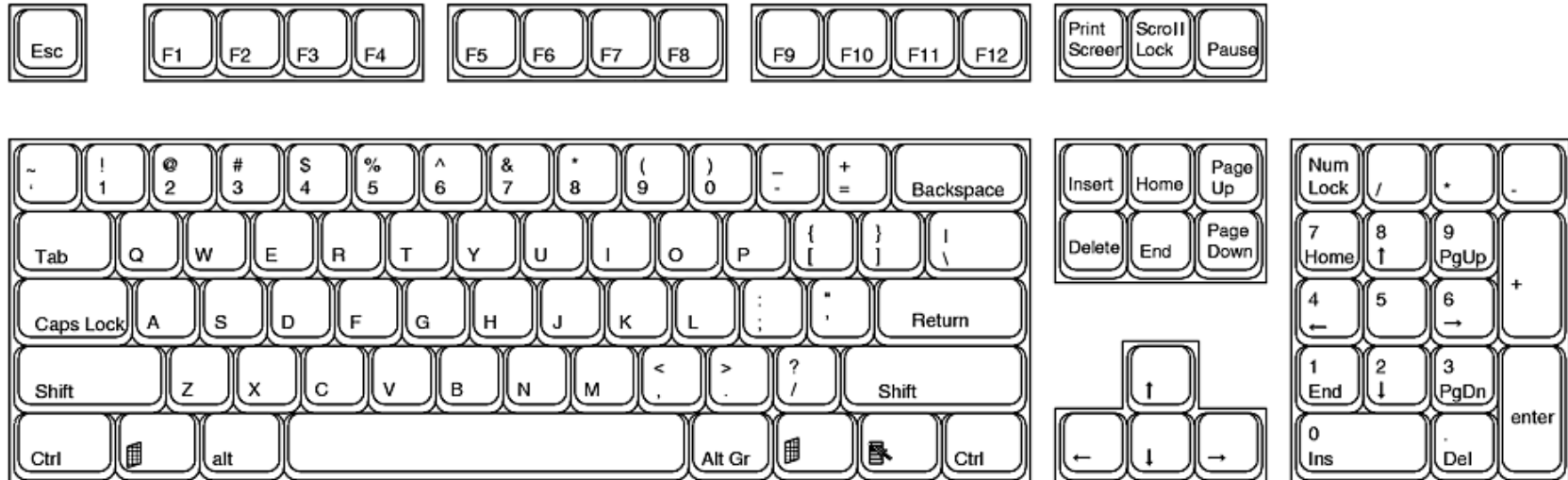
1. Mouse _____
2. Webcam _____
3. Printer _____
4. Hard disk _____
5. Stylus _____
6. Speakers _____
7. CD-ROM _____
8. Keyboard _____
9. DVD-ROM _____
10. Monitor _____
11. Scanner _____
12. Floppy Disk _____
13. Headphones _____
14. Microphone _____
15. Trackball _____

Check one:

Which is better or more up-to-date? Check the box for the better answer in each pair.

<input type="checkbox"/> 512 Mb of RAM	<input type="checkbox"/> 1 Gb of RAM
<input type="checkbox"/> 8166 Mhz of CPU speed	<input type="checkbox"/> 3.20 Ghz of CPU speed
<input type="checkbox"/> 80 Gb hard drive	<input type="checkbox"/> 600 Mb hard drive
<input type="checkbox"/> Windows 98 Operating System	<input type="checkbox"/> Windows Vista Operating System
<input type="checkbox"/> Windows Vista Home Edition	<input type="checkbox"/> Windows Vista Ultimate Edition
<input type="checkbox"/> Microsoft Office 2003	<input type="checkbox"/> Microsoft Office 2007

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Keys on the Keyboard

Draw an arrow from the keys and label the following on the diagram, using the number:

1. Function keys
2. Spacebar
3. Numeric keypad
4. Enter/Return
5. Windows keys
6. Navigation keys
7. Command keys
8. Esc key
9. NumLock key
10. Tab key

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Short Answer:

1. When you turn on the computer, lights on the keyboard may blink briefly and you may also hear a beep. This is the indication that the _____
(also known as POST) has started.
2. What is the job of the operating system?
3. What operating system do we have on our Dell desktop computers?
4. When is the ONLY time you should use the actual power button on the front of the system unit to turn off the computer?
5. The most common computer is the _____
_____ (PC), typically used by individuals and small businesses.
6. What is the device that interprets and runs the commands that you give a computer? Also known as the "brain" of the computer.
7. What is the "heart" of the computer, called this because it is the main circuit board that routes the power to all the parts plugged into it?
8. This type of memory is called *temporary or volatile* memory because if the power goes off or another problem occurs with the computer, it will be wiped clean and you can lose what you are working on. When there is not enough of this memory on the computer, the computer slows down or fails to function properly. What is the name of this memory?
9. This type of memory is called *permanent or non-volatile* memory because it never changes; it retains its contents even when the power is off. It stores commands that checks to make sure all the parts are working correctly. What is the name of this memory?

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10. This type of expansion cards converts audio signals from a microphone, audio tape, or some other source to digital signals, which can then be stored as a computer audio file. You connect microphone and speakers to this type of card so that you can hear music from your CDs or the sounds from your games, for example. What is the name of this type of card?

Matching: Ports – Write the number in the block that corresponds to the right port.

	Universal serial bus (USB) port	1. You use this to connect a computer to other computers to exchange information between computers. Also connects you to the Internet.
	Display adapter	2. You connect a monitor to a _____ on your computer. It generates the video signal received from a computer, and sends it to a monitor through a cable. It may be on the motherboard or on an expansion card.
	FireWire	3. A motherboard and other components inside a computer use direct current (DC). A _____ supply takes alternating current (AC) from the wall outlet and converts it to DC power for the computer.
	Network port	4. You use these ports to connect printers and other devices to older computers.
	Parallel port & serial port	5. You use this to connect devices such as a digital camera. It is faster than a USB.
	Power	6. You use this to connect peripheral devices such as a mouse, a modem, a keyboard, or a printer to a computer.

Matching: Choose the best answer for each blank.

Term	Abbreviation	How many?
Bit	none	
Byte	none	
Kilobyte		
Megabyte		
Gigabyte		
Terabyte		

Choose from these...

Mb	a 1 or a 0
1 million	1 character
Tb	Gb
Kb	1 trillion
1 billion	1 thousand