## **HARDWARE COMPONENTS**

CPU					
1.	CPU stands for				
2.	If comparing a computer system to a human, the CPU would be the				
3.	and are the two biggest CPU manufacturers for the PC. They have quite a history of competition including some impressive lawsuits.				
4.	The connections between the CPU and the socket are done via hundreds or thousands of that allow for input and output into/from the CPU. These are sometimes on the CPU and other times on the socket. The input and output for each one is simply a high or a low voltage.				
5.	The location into which the CPU plugs in is called the or This is found on the motherboard. There are many different types of these. Examples are <i>Socket 7</i> (1994), <i>Socket H</i> (2009), <i>Socket LGA 1366</i> (2008).				
6.	The most important attribute in a CPU is the clock or clock o				
7.	The CPU's frequency is measured in This is the amount of cycles per second. During each cycle, the CPU generally executes a command.				
8.	The short form for gigahertz is and the short form for megahertz is				
9.	The term hertz means per second.				
10.	A CPU's job is to the commands that it receives. The commands are lined up one after another waiting in line to get to the CPU.				
11.	1. Newer CPUs contain multiple Each one is able to run its own commands. Therefore, multiple commands can be executed at the same time (in parallel). The introduction of this new technology has made comparing CPU speeds more difficult.				
MOTH	ERBOARD				
MOTH	ERBUARU				
1.	The motherboard is the hardware component where all computer connect.				
2.	PCB stands for The motherboard is the largest PCB in your computer. Other PCBs connect to it via expansion slots.				
3.	The CPU, slots (for extra cards) and slots (for memory) are all on the motherboard. (The CPU and memory will be discussed in their own sections.)				

4.	Motherboards now have integrated	cards to send information directly to your monitor.				
	The quality of this built-in card is usually good but not the best for high graphics uses such as gaming.					
5.	Most motherboards now have integrated	cards to play good quality sound. It the past,				
	motherboards could only "beep". ©					
6.	Motherboards now have integrated	cards to connect directly to a network. This is				
	often used simply to get internet access.	· · · · · · · · · · · · · · · · · · ·				
	1 , 3					
7.	7. The term refers to a group of integrated circuits that are designed to work together. In					
	computers, this usually refers to the motherboard's specialized chips.					
	, , , , , , , , , , , , , , , , , , ,					
8.	Best known and recognized motherboard manuf	acturers are:				
0.	•					
	•					
RAM						
1	RAM stands for	The "RA" refers to the fact that any				
1.		unt of time. An example of the opposite of this would be a				
	•	essed quickly but data at the other end requires the tape				
	to be forwarded to that end before accessing it.	issed quickly but data at the other end requires the tape				
	to be forwarded to that end before accessing it.					
2	Each piece of RAM is called a, o	or a				
۷.	Lucii piece oi ivivi is cunea a, c					
3.	RAM. like the hard drive is a form of	While the hard drive stores all of the computer's				
3.	data, RAM stores system information that is soc					
	data, www. stores system morniation that is soc	Thinkely to be used by the circ.				
4.	The reason that RAM stores a part of the hard di	rive's information is that RAM is				
	1. The reason that RAM stores a part of the hard drive's information is that RAM is memory. It would delay the CPU too much to constantly make requests to the hard drive for information.					
	·	·				
	Of course, the more RAM a system has, the more likely that required information will be stored in the RAM.					
	TV (IV).					
5.	So if RAM is faster than a hard drive, why do we	even have a hard drive? There are two reasons:				
J.	so in the first contain a mana differ the first	even have a mara arme. There are two reasons.				
	•					
	•					
	•					
6.	RAM is said to be memory beca	ause it is erased if it stons being nowered				
0.	Maiving Said to be memory bed	ause it is crused if it stops being powered.				
7.	RAM plugs into a slot that is on the	There are usually 2 to 4 slots for different RAM				
/.	sticks to be plugged into.	There are usually 2 to 4 slots for different KAIVI				
	sticks to be plugged litto.					
o	The most common computer ungrade is to incre	ase the amount of in a computer. This is				
8.	, , , -					
	often done by simply adding another stick into a	ii eiripty siot.				

HARD [	DRIVES					
1.	When comparing a computer	to a human, the har	d drive would be t	he human's		
2.	All is stored on the hard drive in the form of This includes your operating system files, your application files, music files, game files, photo files, etc					
3.	If your hard drive fails, you los of your computer. You can or			e, it is the one truly irreplaceable part twon't contain your files.		
4.	, the abbreviation for hard drive, stands for					
5.	Drives in computers are given a letter. The main hard drive in a computer is called the drive. The letters A and B were reserved for floppy disk drives that are no longer in use.					
6.	The primary attribute of a hard drive is its					
7.	A hard drive's size is measured in The prefix mega means millions. The prefix giga means billions. The prefix tera means trillions. Mr. Campeau's first hard drive, in 1994, was 214 megabytes.					
8.	8. Here is a table showing the unit of measure and its abbreviation:					
		Unit	Abbreviation			
		Byte				
		Megabyte				
		Gigabyte				
		Terabyte				
9.				ed in There are long time standard) and 10000.		
10		cover. This cover co		nis location can be identified from the a CD or DVD or floppy drive were		
11.	A newer common trend is to be plugged into any computer us			your personal files. It can then be be accessed.		
12.	. The container that holds an exhaus that drive that could be remo			Inside, you will find a normal one would want to.		

VIDEO	CARDS
1.	Another name used for a video card is card.
2.	The video card plugs in a(n) on the motherboard.
3.	and expansion slots were specifically built (invented) to support the high information transfer required by video cards. In the past, when video cards did not need as much bandwidth, they were plugged into regular expansion slots just like other cards.
4.	The video card data from the CPU to a format that is understood by the monitor. It saves the CPU time by allowing it to pass off some of the work.
5.	Many motherboards include an video card. This card is generally of lower quality than separately purchased ones.
6.	The video card has its own CPU called which stands for
7.	Main manufacturers are and (which use to be ATI).
8.	As of 2010,'s main selling point is 3D technology's main selling point is Eyefinity (multiple monitors to form a field of view)
9.	Characteristics that are to be considered when purchasing a video card are:  • • •
10.	and are technologies that allow for multiple video cards in one system to work together. These technologies have to be supported by the motherboards. This can increase the performance of a single monitor or multiple monitors.