

# Test 1

## Computer Hardware and The Processing Cycle

Name: LOZ

Grade:       /50

The first 5 questions are true or false questions. Make sure to write out the entire word 'true' or 'false'.

True With a liquid cooled CPU, the cooling system will have a radiator.

False ROM is long term memory.

True The four parts of the Information Processing Cycle are: Input, Processing, Output, Storage

True A printer is considered input hardware.

False HDMI cables are the only display cables that can also transmit sound.

True PS/2 Ports are obsolete ports for mice and keyboards.

False USB 2.0 Ports are faster than USB 3.0 ports

True When you see 'B' we are talking about bits.

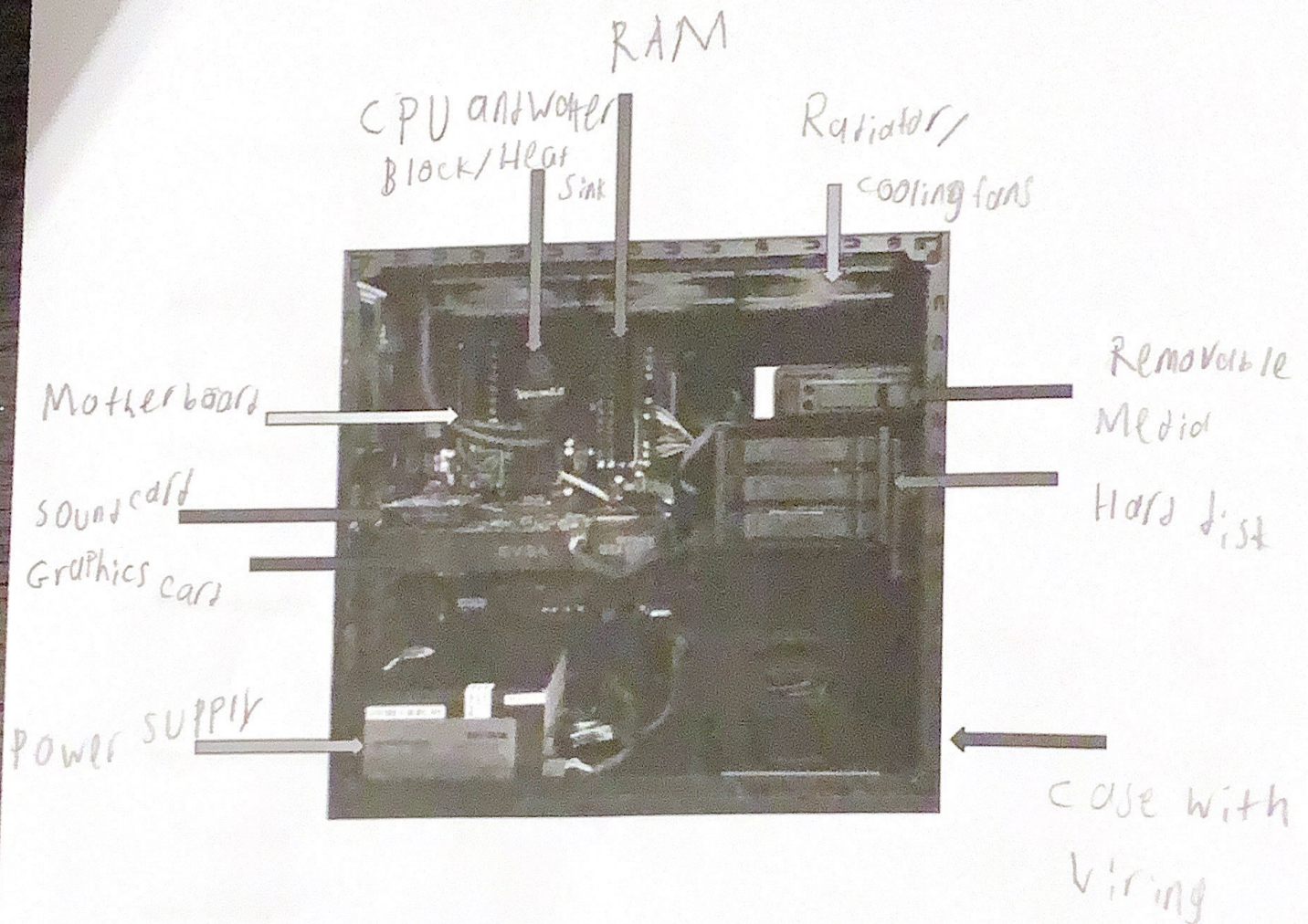
True Terabytes are much larger than Kilobytes

True GbE LAN ports are used to give a direct connection to the internet.



For this section label the appropriate pieces of hardware in the computer. The pieces that will be used to label are:

CPU and Water Block / Heat Sink	Graphics Card	Motherboard	Removable Media	Radiator / Exhaust Fans
Power Supply	Case and Wiring	Sound Card	Hard Disk and Solid State Drives	Graphics Card





Please describe the purpose of each of the pieces of hardware:

**CPU:** central processing unit. It carries out the commands sent to it by the software and returns the result.

**Water Block/Heat Sink:** cools the computer so it doesn't overheat.

**Motherboard:** The motherboard holds the components of a computer.

**Removable Media:** Where the USB goes.

**Radiator:** pumps liquid coolant through a closed loop, acts as a heat sink.

**Exhaust Fans:** pull in air from the outside to the inside to cool components.

**Power Supply:** gives power to the motherboard so it can run.

**Hard Disk / Solid State Drives:** Hard disk storage for a computer.

Solid State Drives have better storage than Hard Disks.

**Graphics Card:** graphs and it outputs images to a display device.



Please list 4 types of Input Hardware:

1. Keyboard
2. Mouse
3. Scanner
4. iPad

Please list 2 types of Output Hardware:

1. Printers
2. Phones

In your own words, describe the information processing Cycle.

The information processing cycle is Input, Processing, Output, and Storage.

For the following acronyms, write out what each of them stand for:

GPU: Graphics processing Unit

CPU: Central processing Unit

PSU: Power supply Unit

SATA: Serial Advanced technology Attachment

VGA: Video Graphical Array

DVI: Digital Visual Interface

HDMI: High Definition Multimedia Interface

ROM: Read only memory

RAM: Random access memory