

B.L.D.E.A's
JSS COLLEGE OF EDUCATION VIJAYAPUR

5 'E'

Model of Lesson teaching

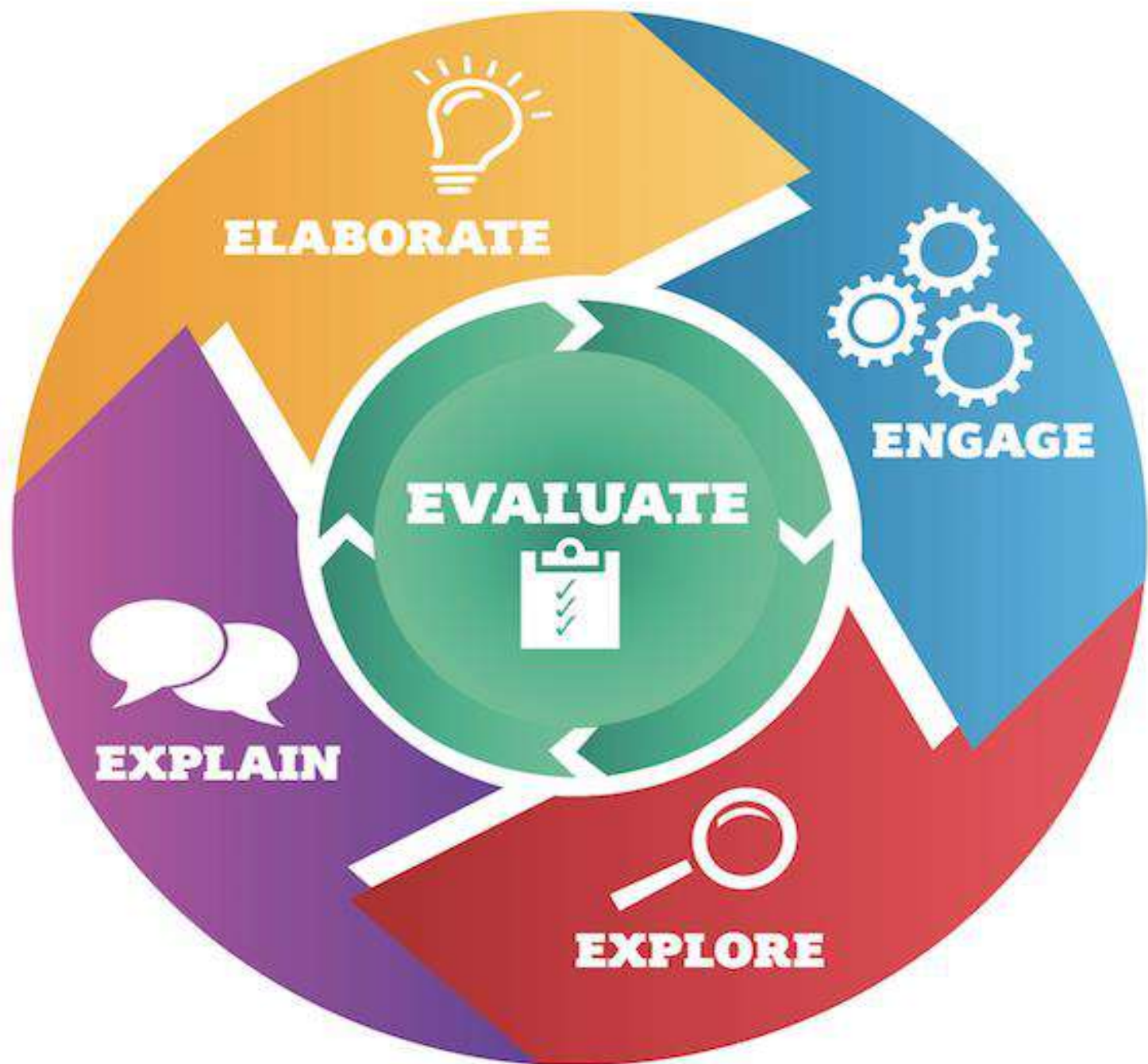
BY: Jyoti S. Hosamani (Student Teacher) B.Ed. II Semester

The 5E Model

The 5E Model, developed in 1987 by the Biological Sciences Curriculum Study, promotes collaborative, active learning in which students work together to solve problems and investigate new concepts by asking questions, observing, analyzing, and drawing conclusions.

The 5E Model is based on the constructivist theory to learning, which suggests that people construct knowledge and meaning from experiences. By understanding and reflecting on activities, students are able to reconcile new knowledge with previous ideas. According to subject matter expert Beverlee Jobrack, “Educational movements, such as inquiry-based learning, active learning, experiential learning, discovery learning, and knowledge building, are [variations of constructivism](#).”

In the classroom, constructivism requires educators to build inquiry, exploration, and assessment into their instructional approach. In many ways, this means the teacher plays the role of a facilitator, guiding students as they learn new concepts.



ENGAGE

In the first phase of the learning cycle, the teacher works to gain an understanding of the students' prior knowledge and identify any knowledge gaps. It is also important to foster an interest in the upcoming concepts so students will be ready to learn. Teachers might task students with asking opening questions or writing down what they already know about the topic. This is also when the concept is introduced to students for the first time.

EXPLORE

During the exploration phase, students actively explore the new concept through concrete learning experiences. They might be asked to go through the scientific method and communicate with their peers to make observations. This phase allows students to learn in a hands-on way.

EXPLAIN

This is a teacher-led phase that helps students synthesize new knowledge and ask questions if they need further clarification. For the Explain phase to be effective, teachers should ask students to share what they learned during the Explore phase before introducing technical information in a more direct manner, according to “The 5E Instructional Model: A Learning Cycle Approach for Inquiry-Based Science Teaching.” This is also when teachers utilize video, computer software, or other aides to boost understanding.

ELABORATE

The elaboration phase of the 5E Model focuses on giving students space to apply what they've learned. This helps them to develop a deeper understanding. Teachers may ask students to create presentations or conduct additional investigations to reinforce new skills. This phase allows students to cement their knowledge before evaluation.

EVALUATE

The 5E Model allows for both formal and informal assessment. During this phase, teachers can observe their students and see whether they have a complete grasp of the core concepts. It is also helpful to note whether students approach problems in a different way based on what they learned. Other helpful elements of the Evaluate phase include self-assessment, peer-assessment, writing assignments, and exams.



Thank You
For Your Attention







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JSS College of Education
by Pallavi Pujari



BLDEA's

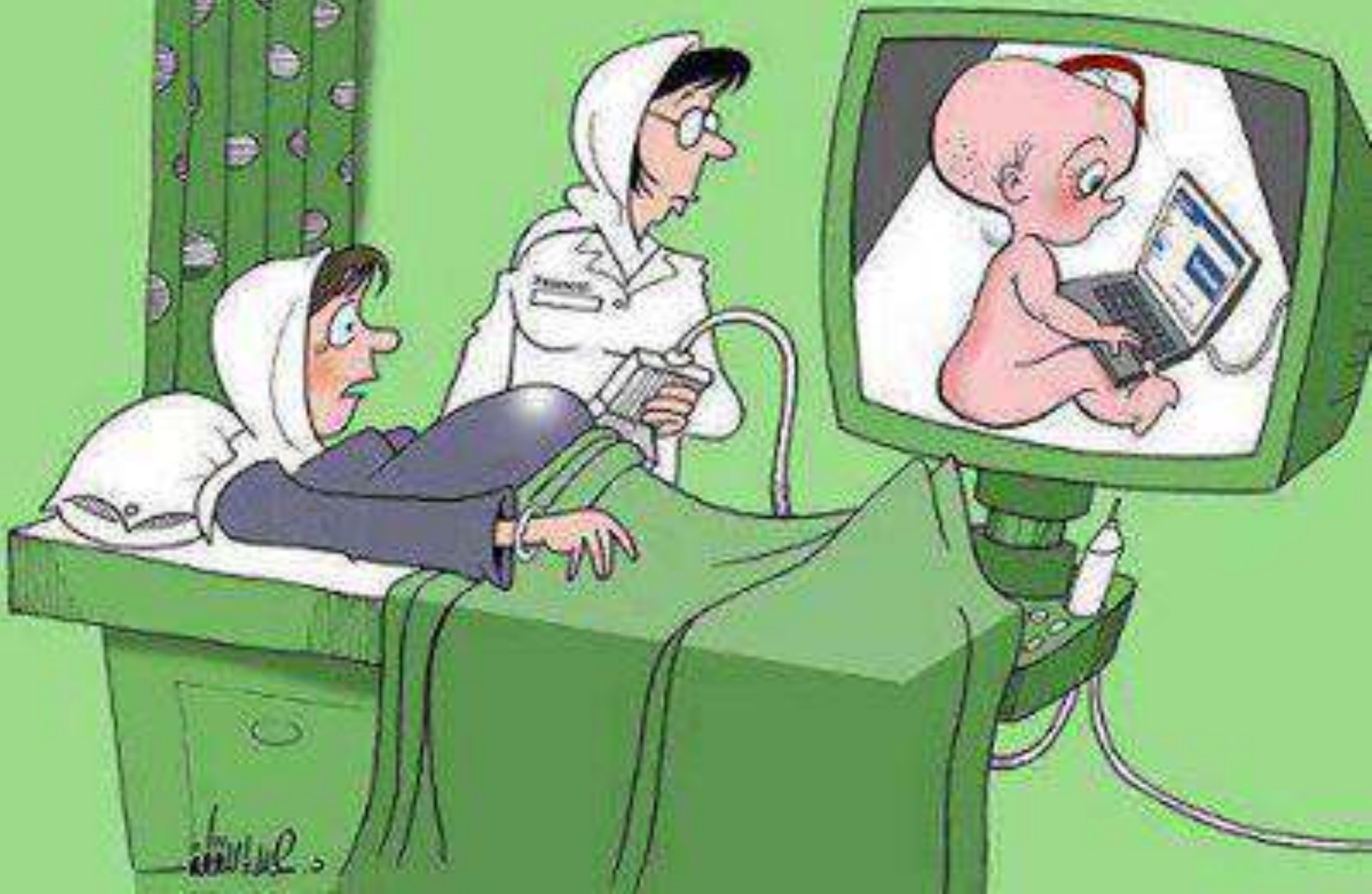
J.S.S. College of Education, Vijayapur

I- Information

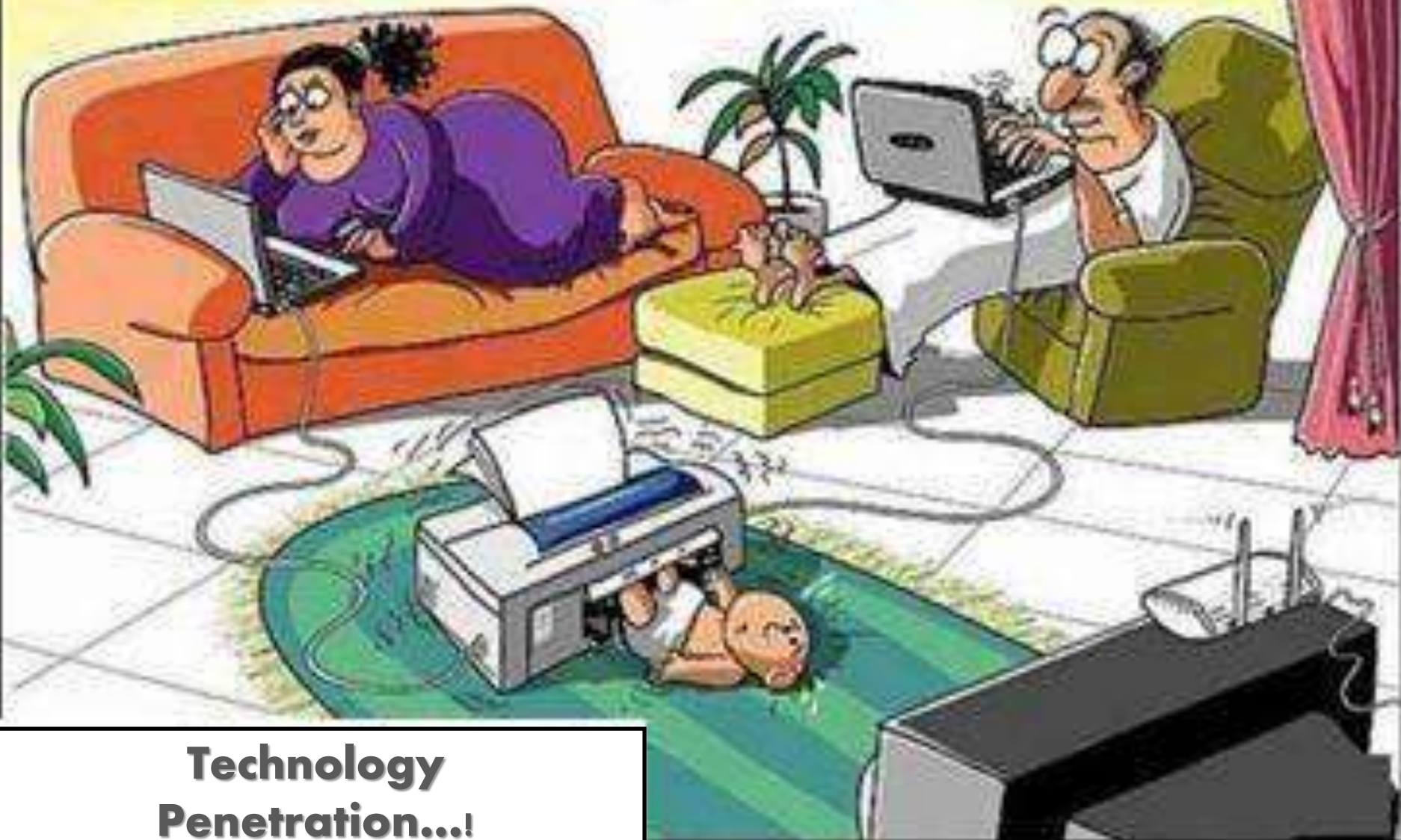
C- Communication

T- Technology

Technology Penetration...!



How babies will be born in future



**Technology
Penetration...!**



**Technology
Penetration...!**



**No
Generation Gap...!**

The Neo-Gen Alphabet



A: APPLE



B: BLUETOOTH



C: CHAT:



D: DOWNLOAD



E: E MAIL



F: FACEBOOK



G: GOOGLE



H: HEWLETT
PACKARD



I: Iphone



J: JAVA



K: KINGSTON



L: LAPTOP



M: MESSENGER



N: NERO



O: ORKUT



P; PICASSA



Q: QUICK HEAL



R: RAM



S: SERVER



T: TWITTER



U: USB



V: VISTA



W: WiFi



X: Xp



Y: YOU TUBE



Z: ZORPIA

Std:- III

Time:- 1 hour

Marks:- 50

General Knowledge

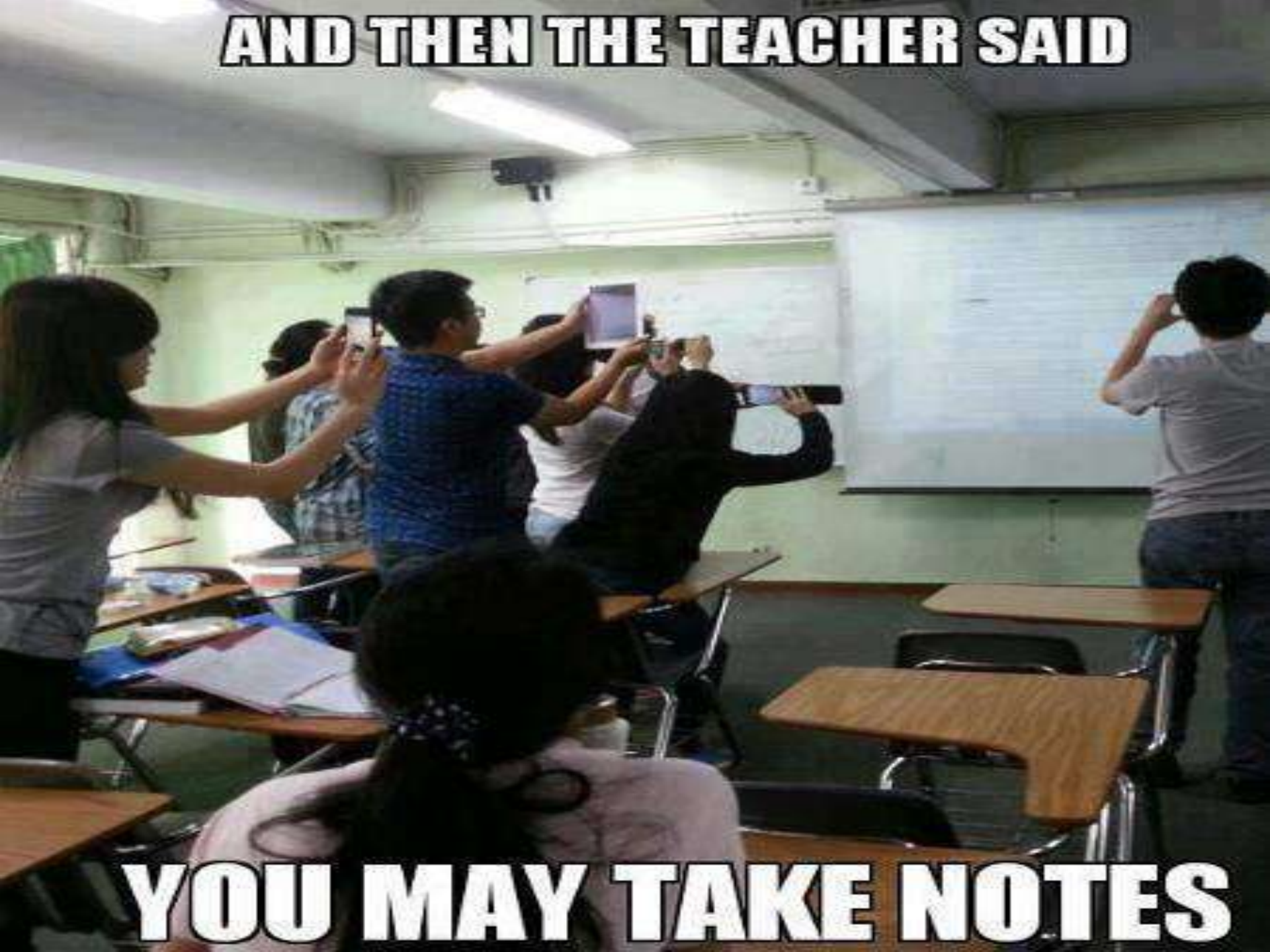
1. Fill in the blanks

Three essential elements of human survival are

(a) Android × (b) WhatsApp × (c) Facebook ×

-0-

AND THEN THE TEACHER SAID



YOU MAY TAKE NOTES



School management



Measurement



manufacturing



Banking



Booking



Data handling



Monitoring and tracking



Communication



School management



Measurement



manufacturing



Banking



Booking



Data handling



Monitoring and tracking



Communication



**B.L.D.E.A'S JSS COLLEGE OF
EDUCATION VIJAYAPUR**

**Enhancing Professional Competencies –
ICT**

**By : Sushma Dudagi
B.ED First Year 2022-23**

Computer Hardware

Review Information for Final Exam



Computer



A programmable electronic machine that performs high-speed mathematical or logical operations or that assembles, stores, correlates, or otherwise processes information.

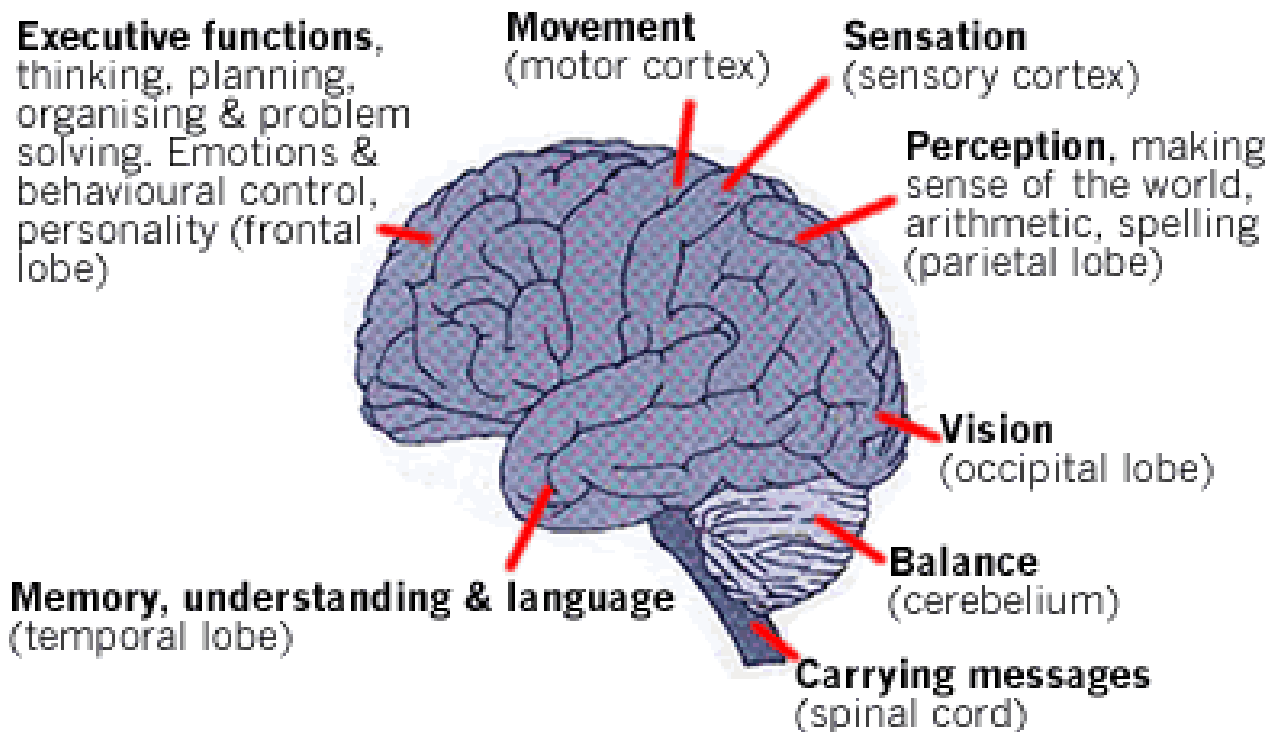


The Basic Structure of A Computer System Consists of Three Parts

1. CPU - Central Processing Unit

The Brain and its functions

Based on Diagrams from
Head injury - A Practical Guide By Trevor Powel



The Basic Structure of A Computer System Consists of Three Parts

1. CPU

Performs arithmetic and logic operations

2. INPUT – OUTPUT DEVICES

(Peripherals)

Keyboard, Monitor, Modem, Mouse, Joystick,
Speakers, Printers, etc.

3. MEMORY

Primary – directly accessible by the CPU.

Secondary – external memory for storing data.

Computer Hardware

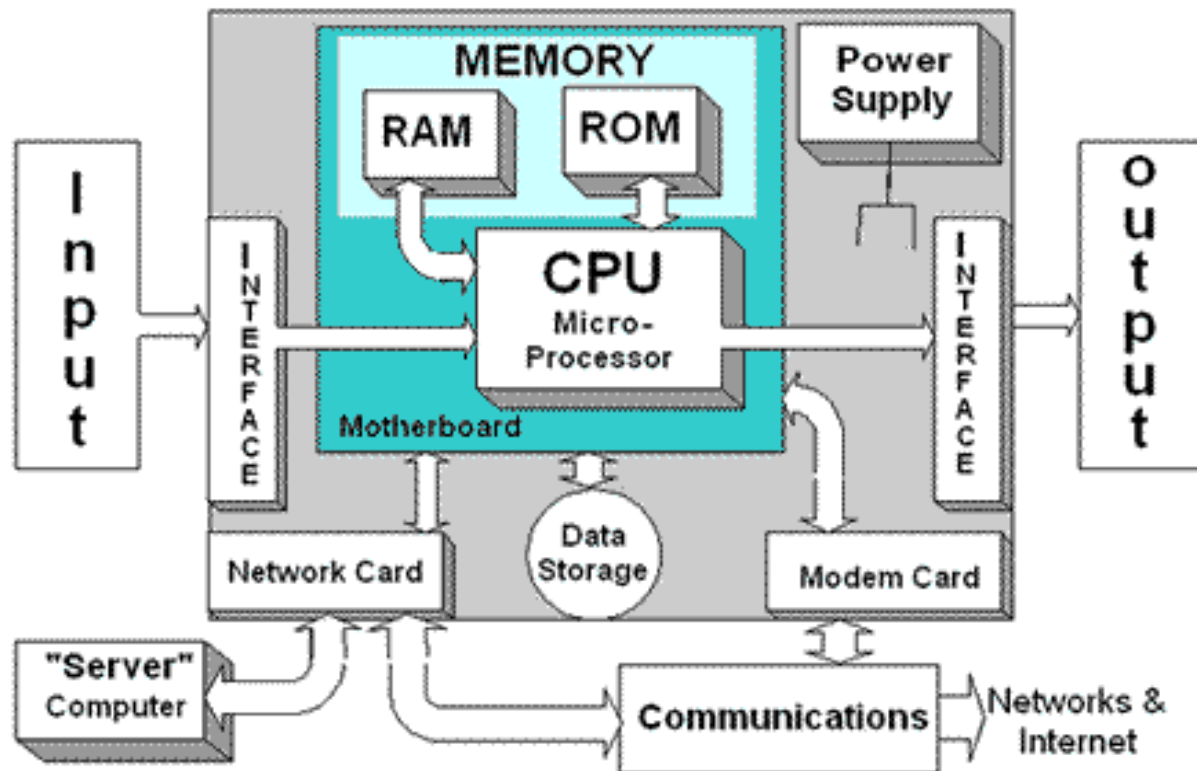
The physical components of a computer system, such as the circuit boards, chassis, enclosures, peripherals, cables, etc.

It c

iter

Computer Diagram

The Block Diagram as shown below is a representation of the fundamental pieces of any computer system. So whether it is a PC or MAC or some other type of computer it will have most if not all of these components.



Computer Hardware

RAM

Computer Hardware

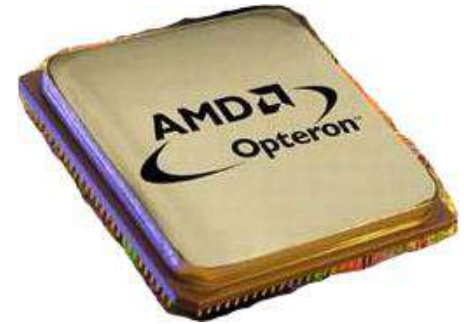


RAM



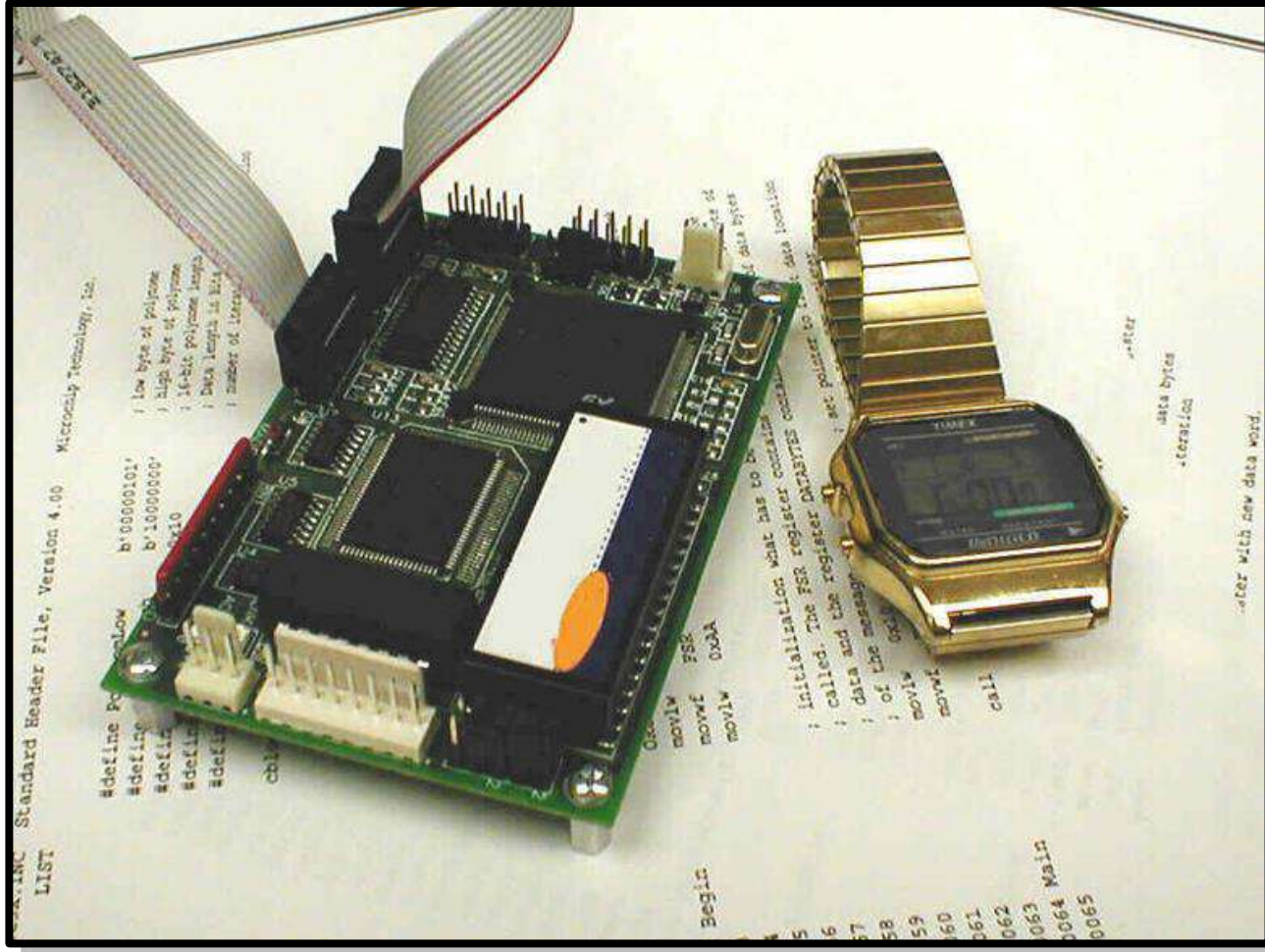
ROM

Computer Hardware



**Central Processing Unit (CPU)
or
Microprocessor**

Central Processing Unit



Computer Hardware

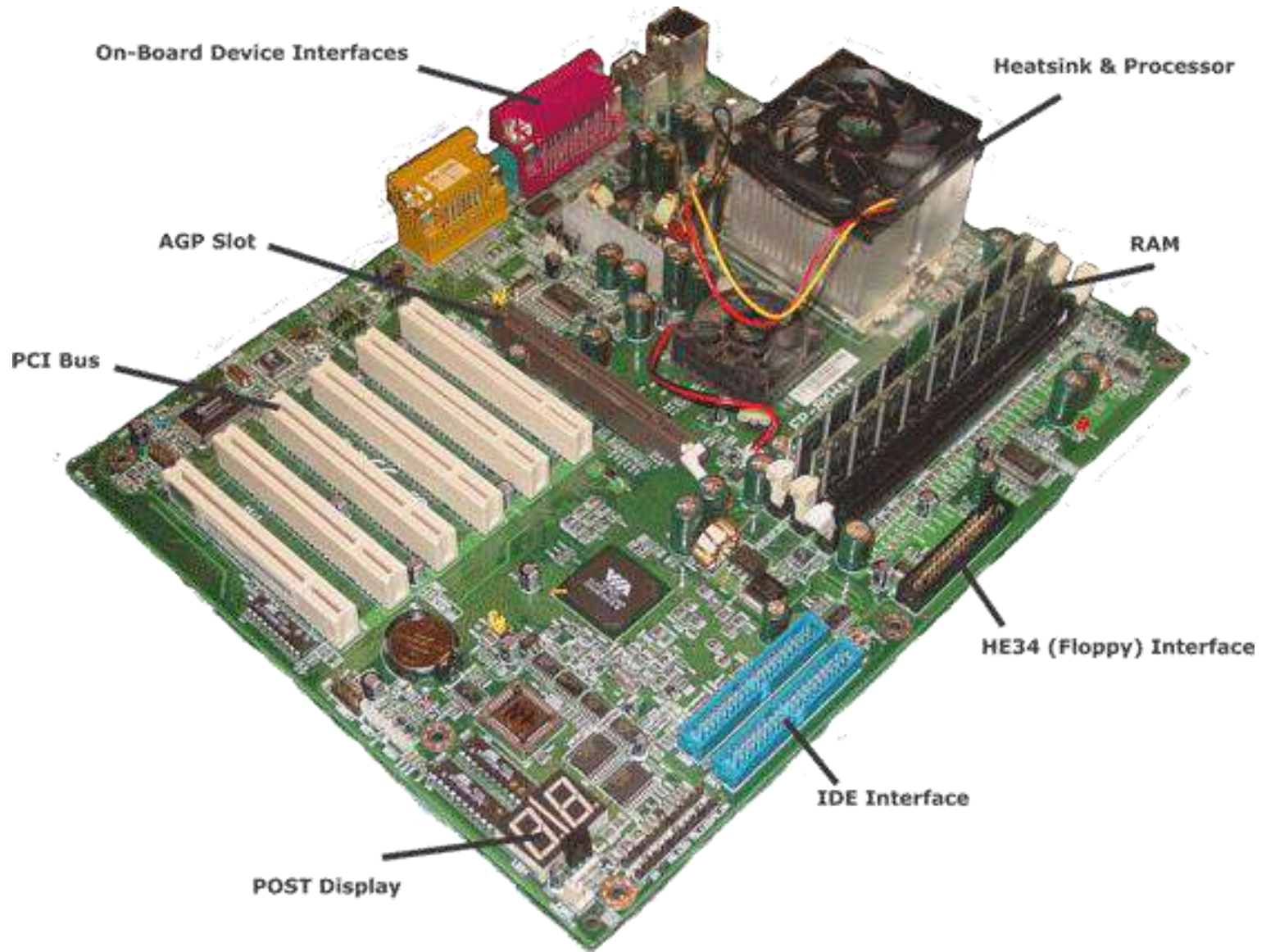


**The CPU is usually protected
from Heat by a
Heatsink and Fan combination**

Fan and Heat Sink



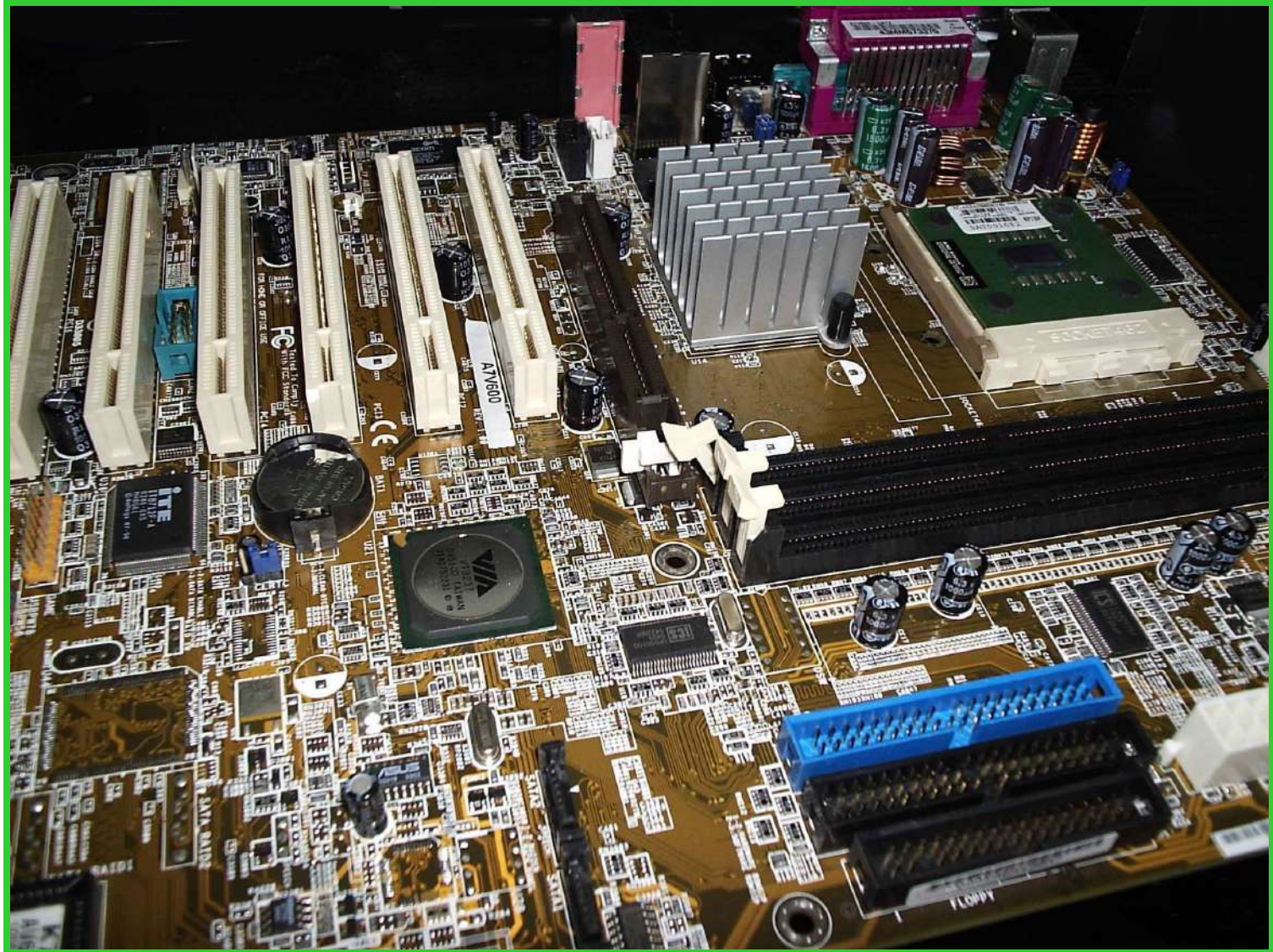
Motherboard



Motherboard



Motherboard



Computer Hardware



RAM
Memory



CPU's
Processors



Motherboards



Hard
Drives



Floppy
Drives



CD ROM
Drives



Mice



Keyboards



Modems



Video
Cards



Monitors



Printers



Multimedia
Speakers



Sound
Cards



Video
Camera



Backup
Drive



Computer
Cases



Other
Equipment

USB Flash Drives

USB flash drives are compact and easy-to-use devices that are similar in use to your computer hard drive. USB flash drives slip into your pocket, conveniently around your neck or on a keychain for ultimate portable storage.



USB flash drives also are called thumb drives, jump drives, pen drives, key drives, tokens, or simply USB drives.

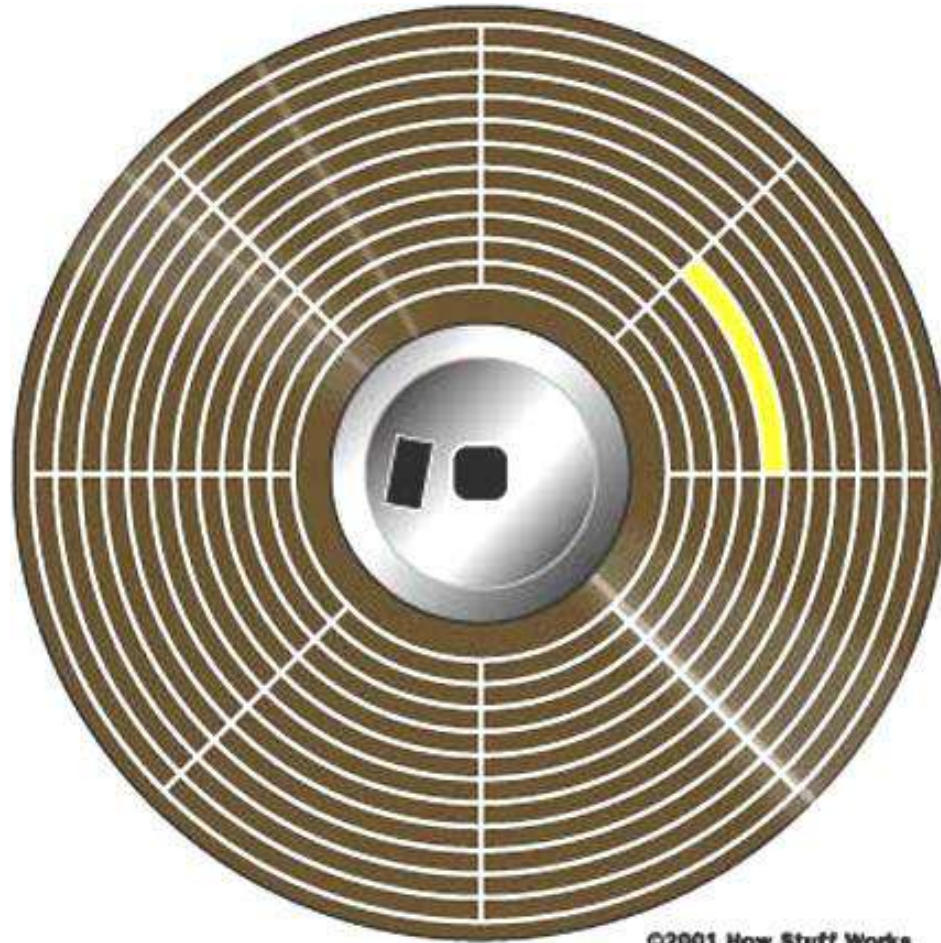
Hard Drive Cover Removed



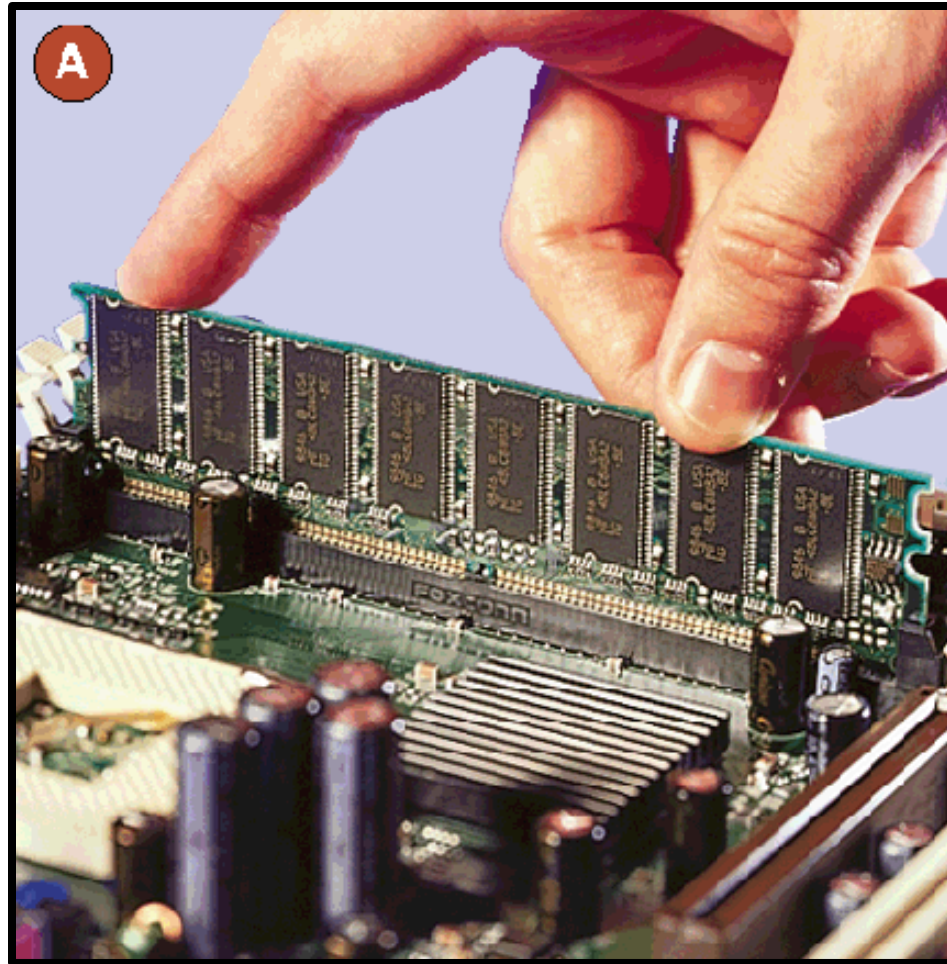
Hard Disk and Read/Write Heads



Disk Track



Adding RAM





COMPAQ 7000



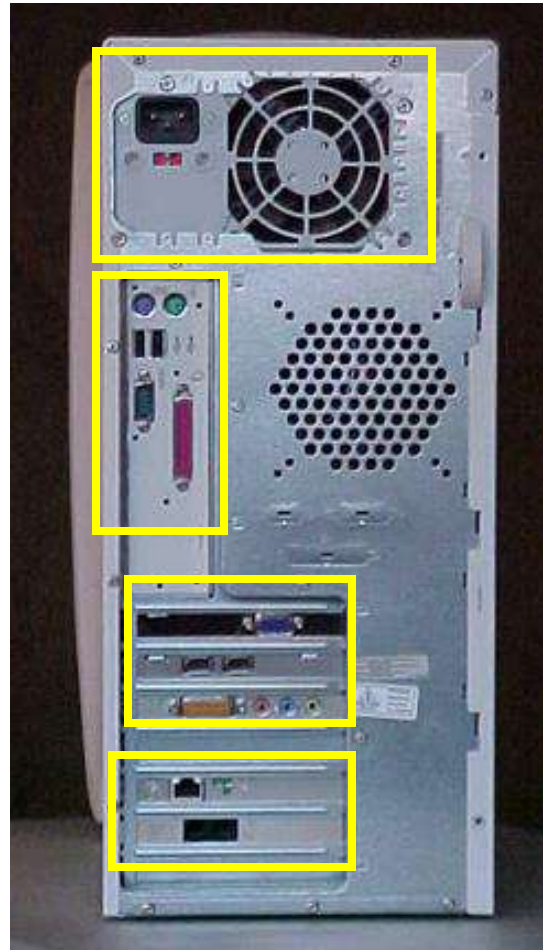
Back of COMPAQ 7000

Input Terminals

Input & Output
Terminals

Input & Output
Terminals

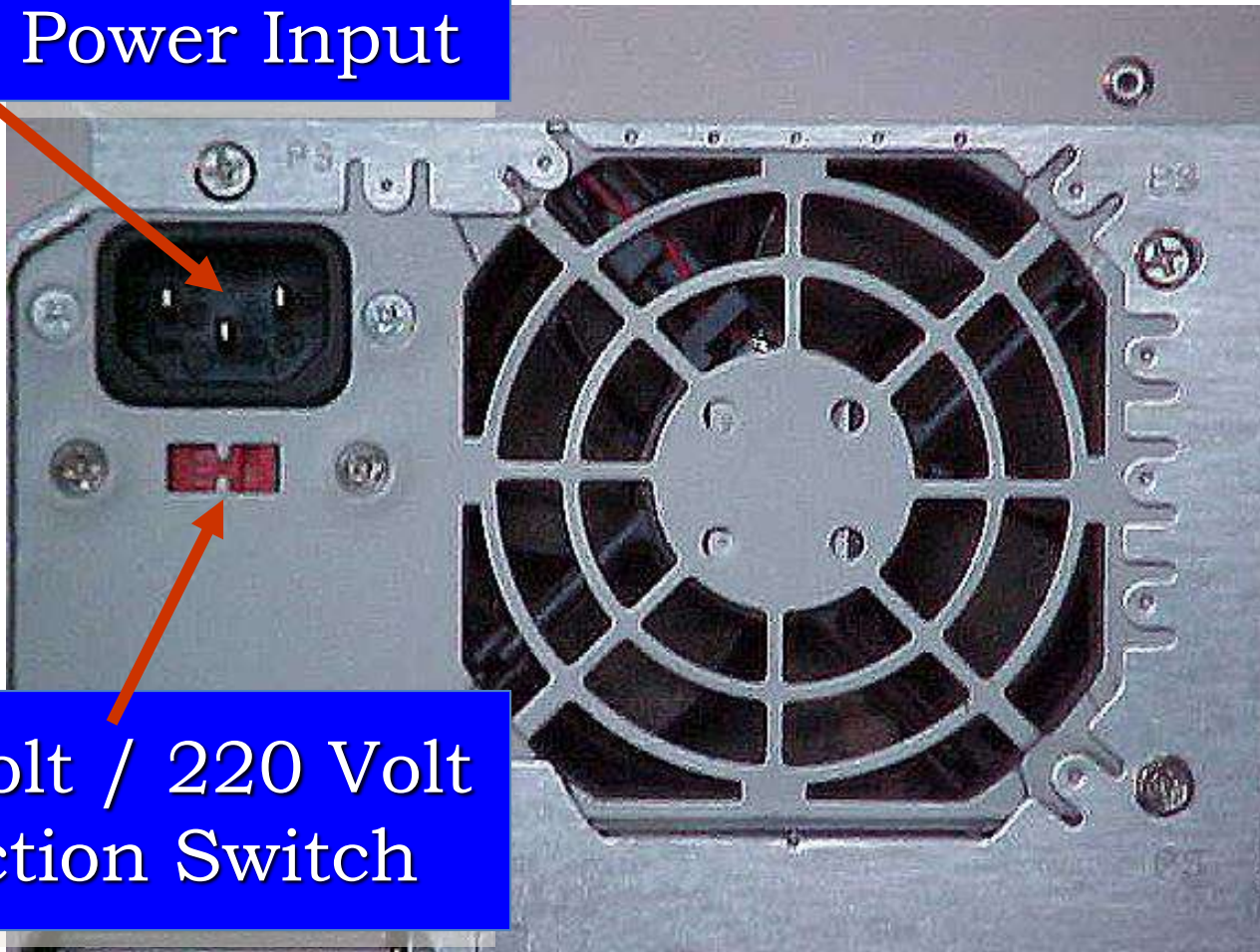
Input & Output
Terminals



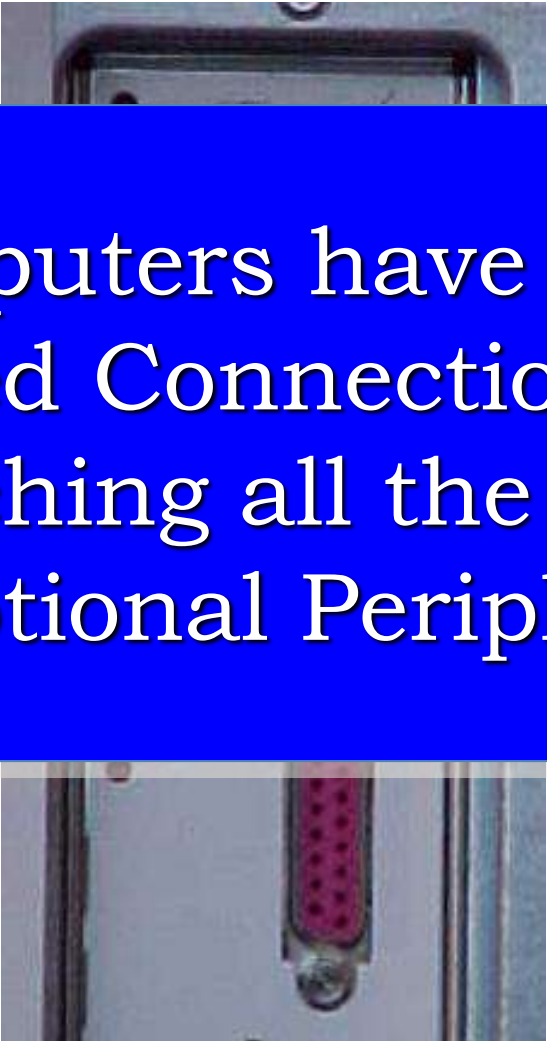
Power Input

AC Power Input

110 Volt / 220 Volt
Selection Switch

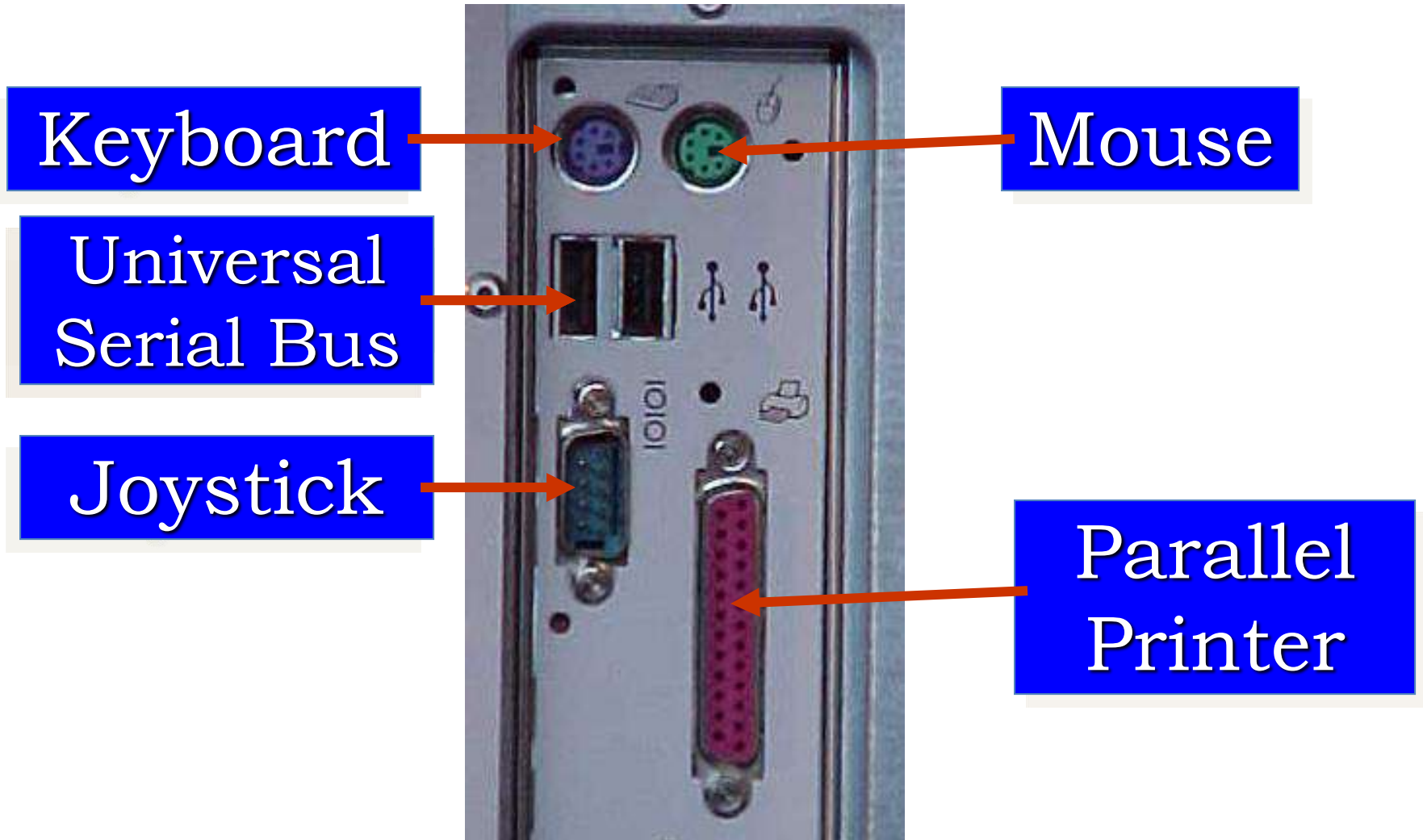


Input & Output Terminals



Most Computers have Icons and Color Coded Connections to help with attaching all the Required and Optional Peripherals.

Input & Output Terminals



Input & Output Terminals



Monitor

Input & Output Terminals



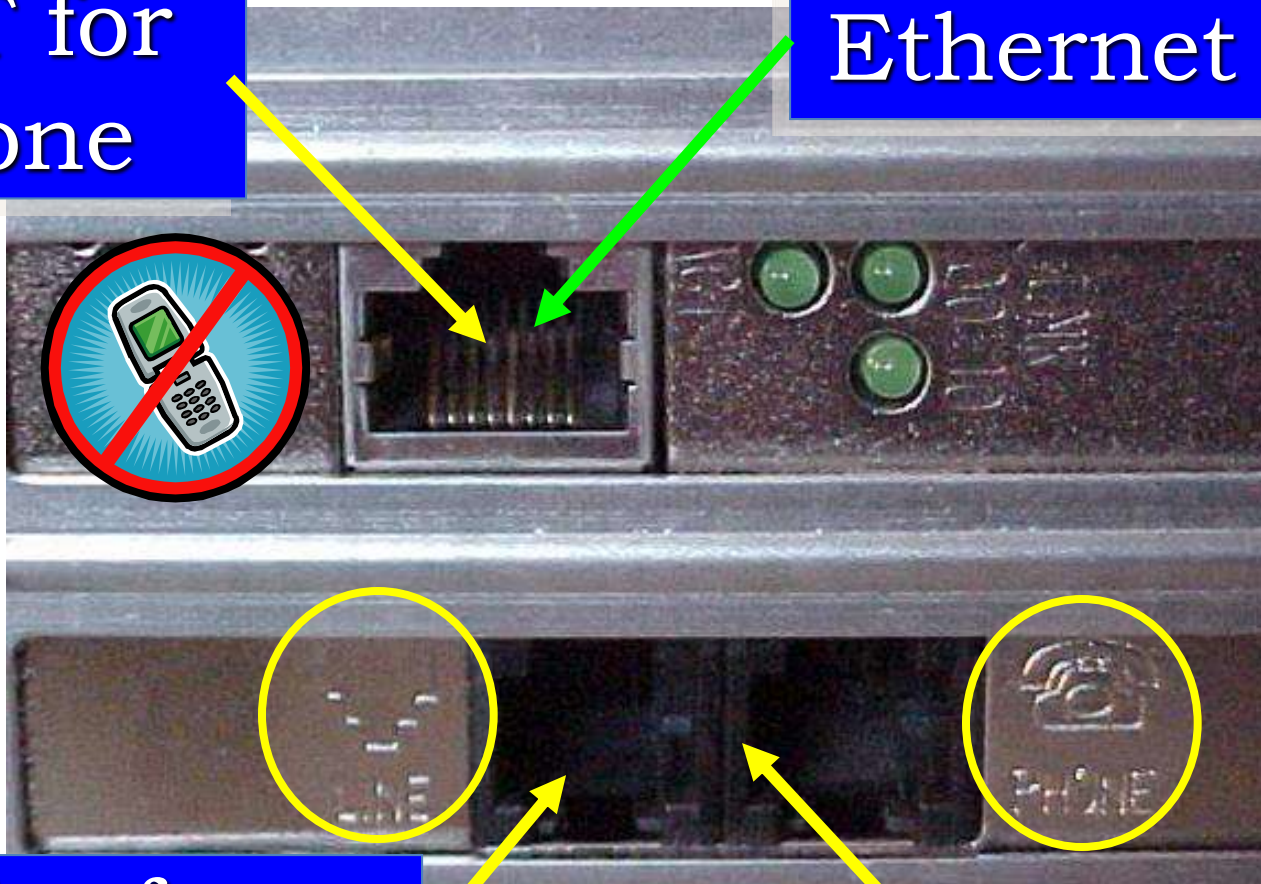
FireWire
IEEE 1394

Audio Inputs and
Outputs

Input & Output Terminals

NOT for
Phone

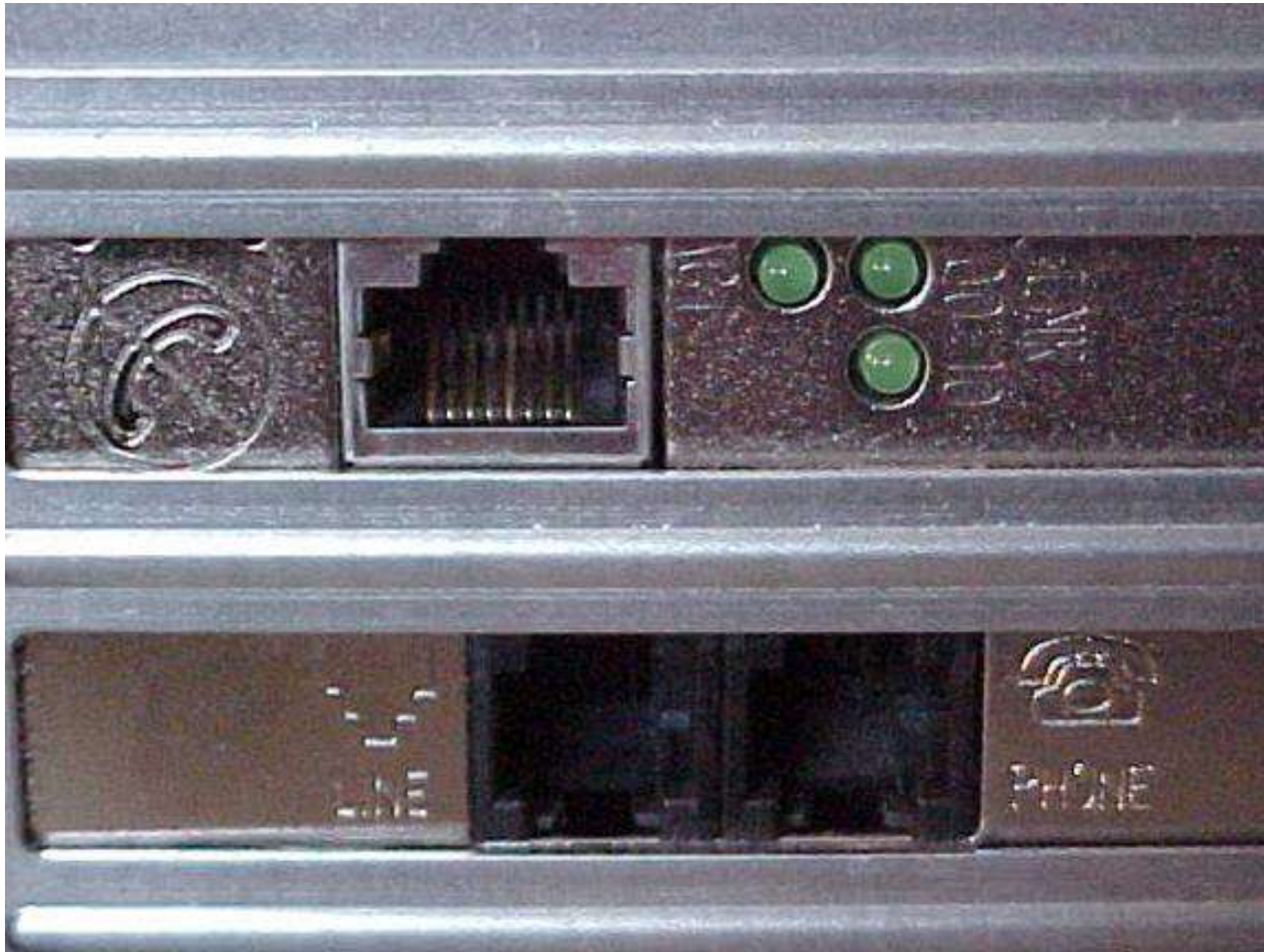
Ethernet Jack



Line for
Phone Modem

Output for
a Phone

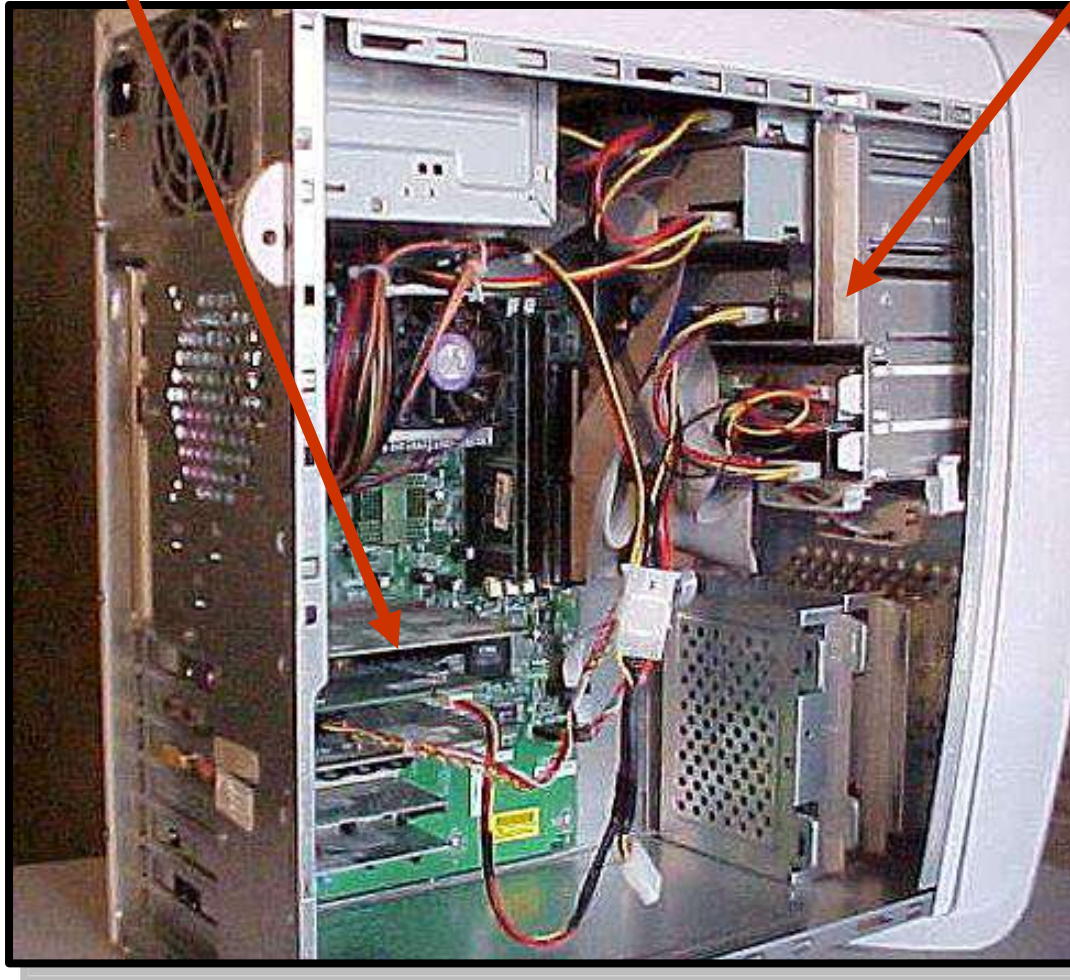
Input & Output Terminals



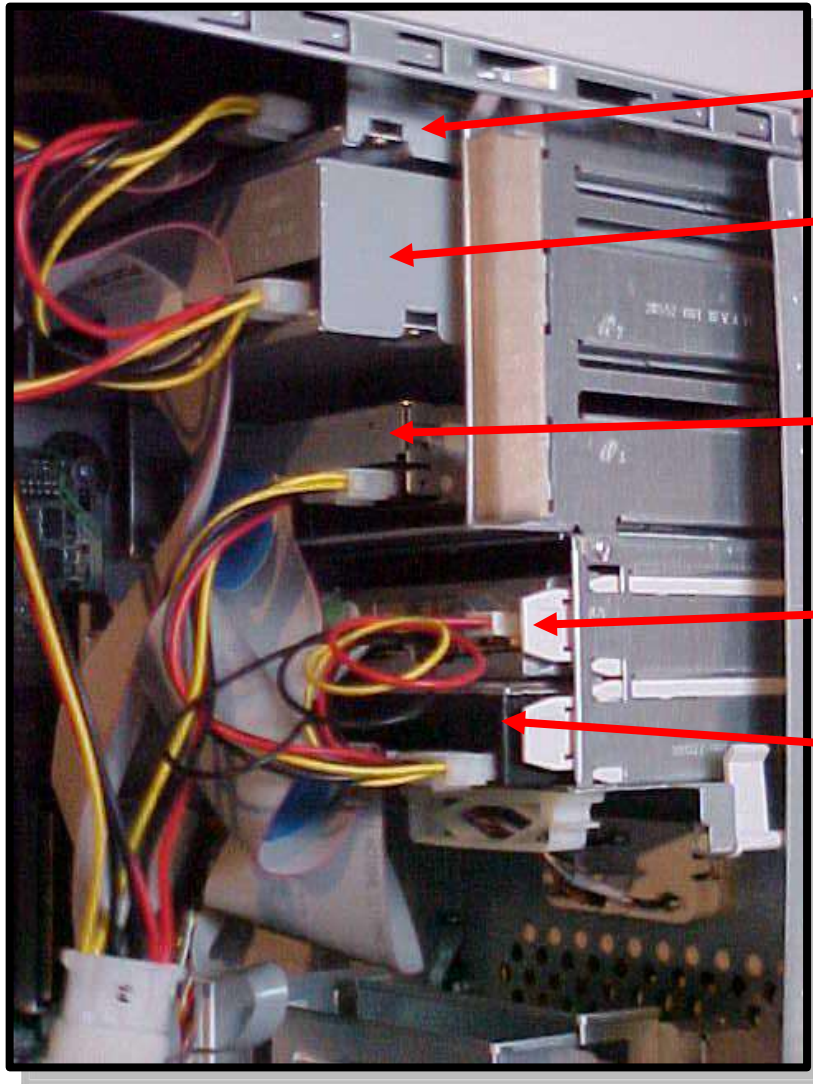
Inside View



Cards and Drives



Back of Drives



DVD DRIVE

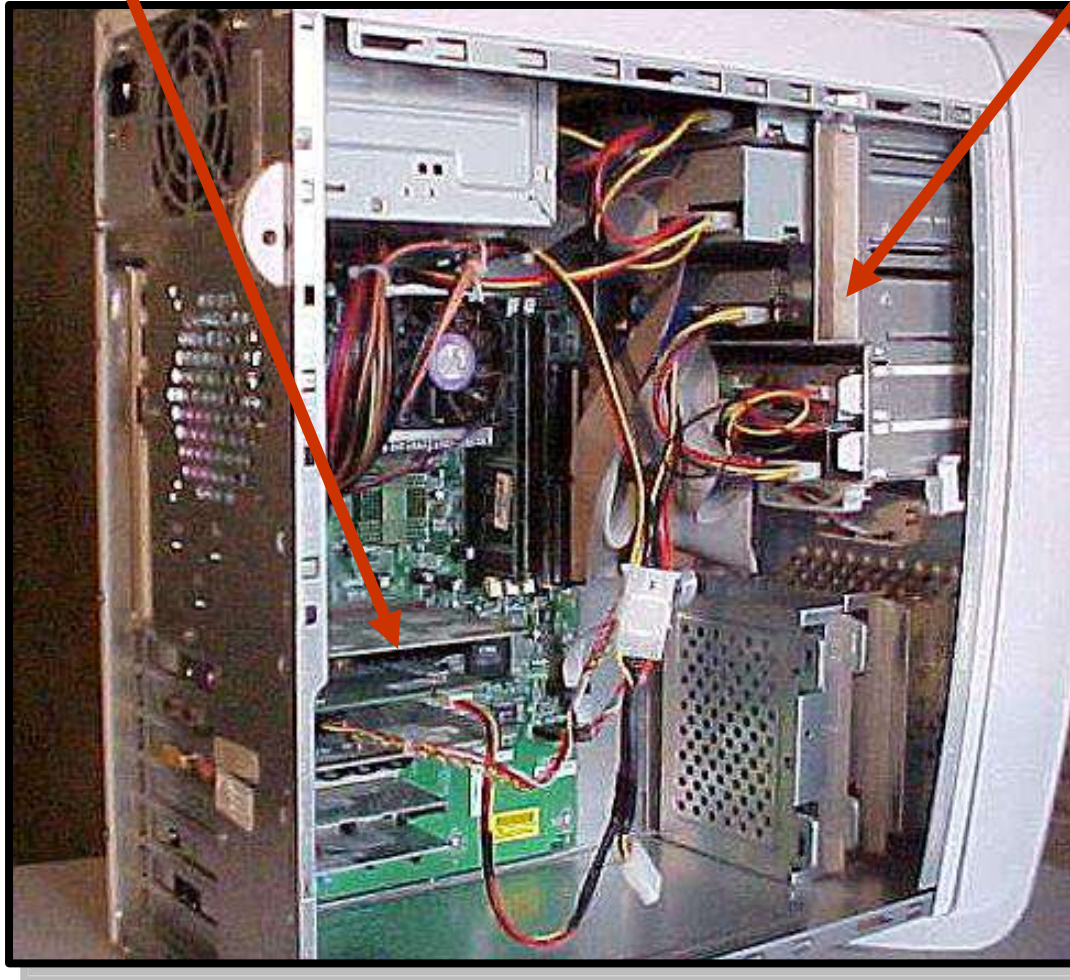
CD/RW DRIVE

ZIP DRIVE

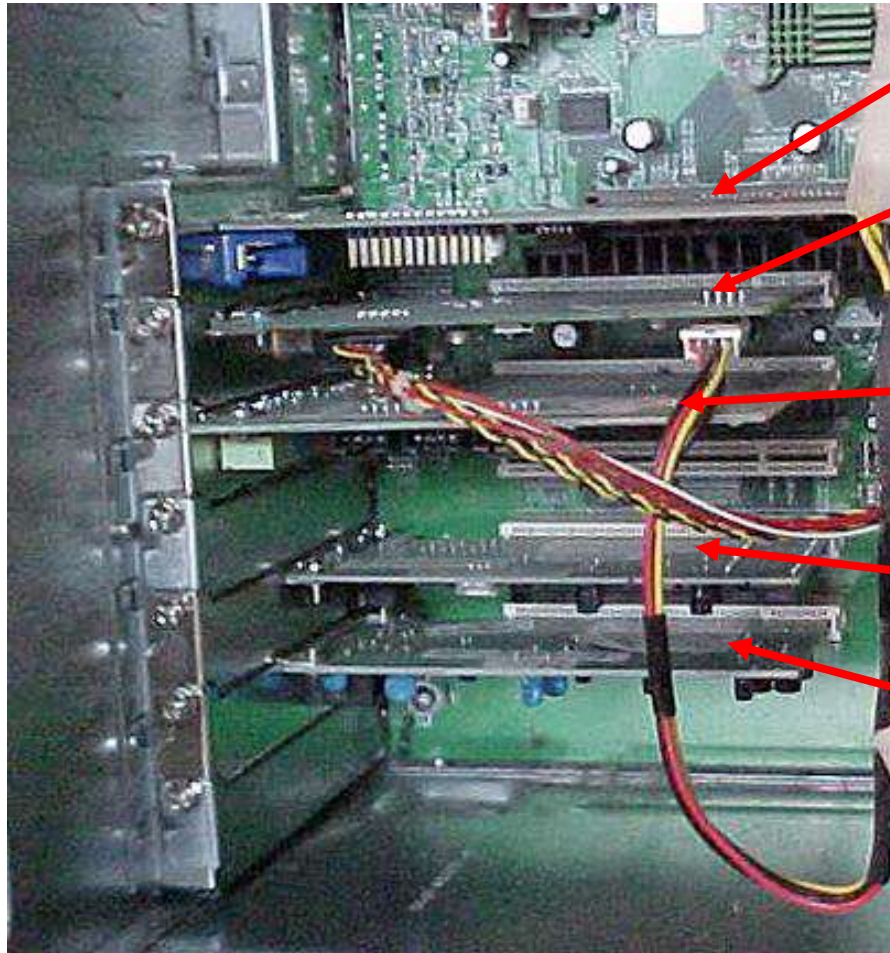
FLOPPY DRIVE

HARD DRIVE

Cards and Drives



Expansion Cards



VIDEO CARD

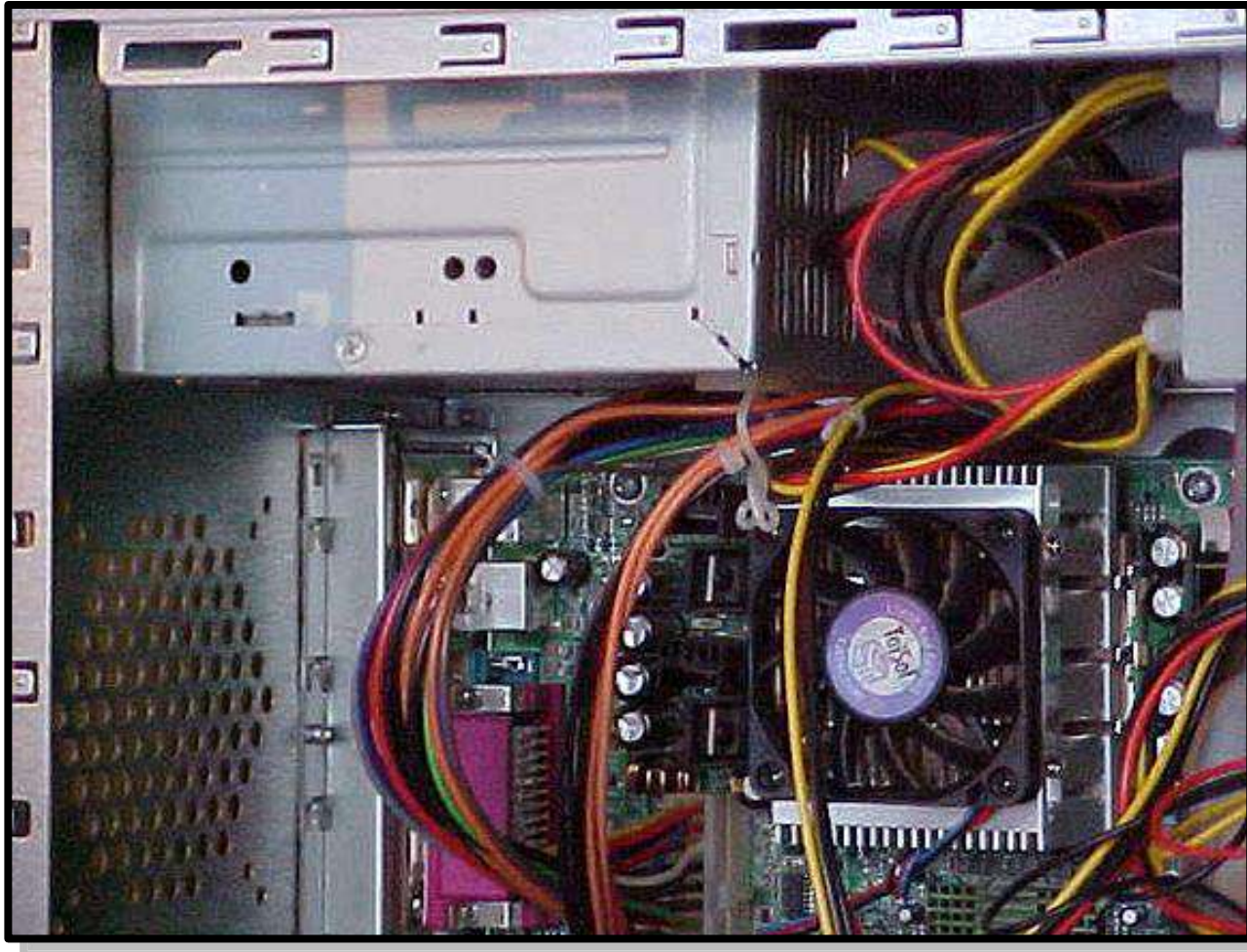
FireWire CARD
1394, i.LINK

SOUND CARD

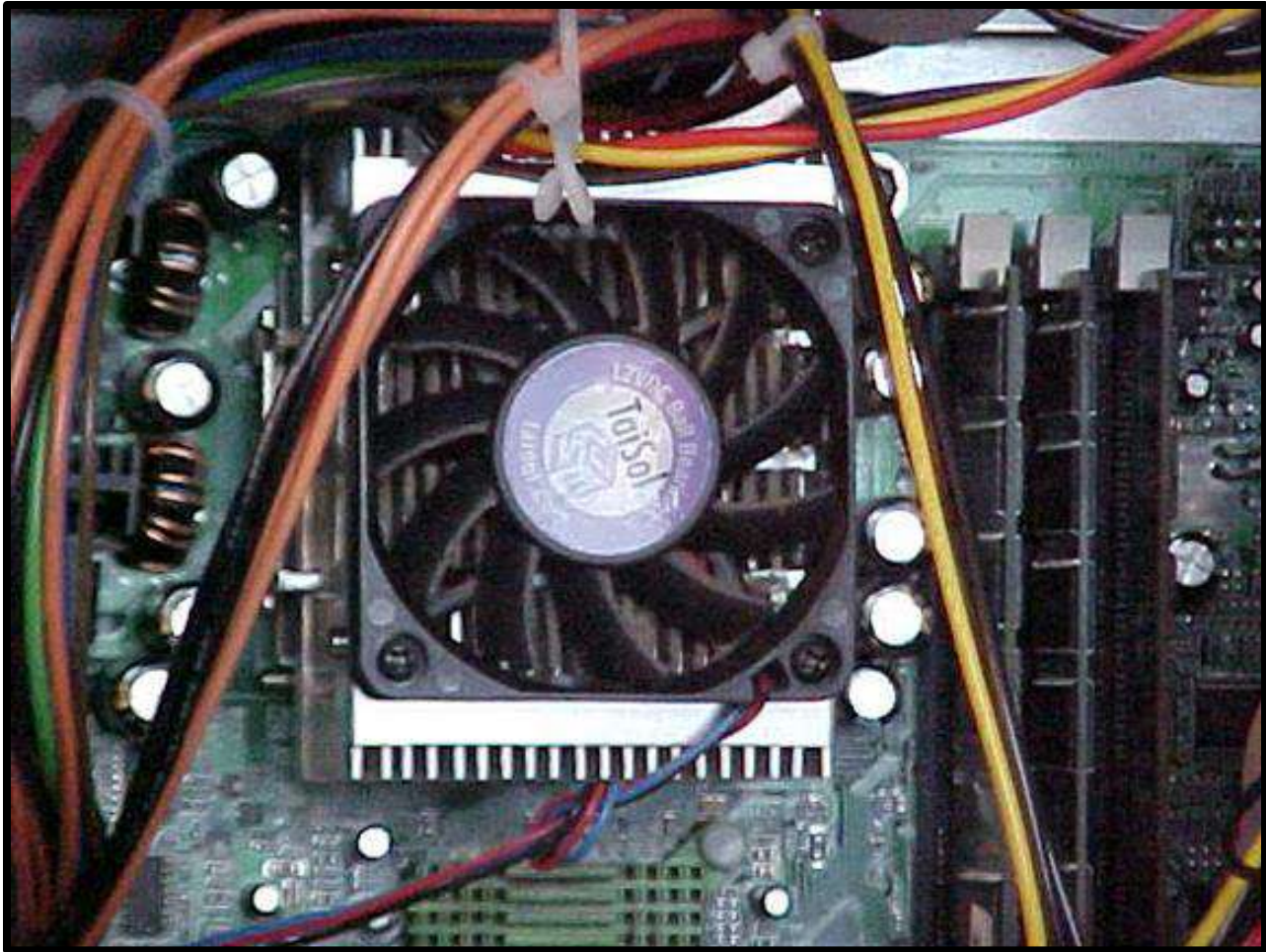
EITHERNET CARD

MODEM CARD

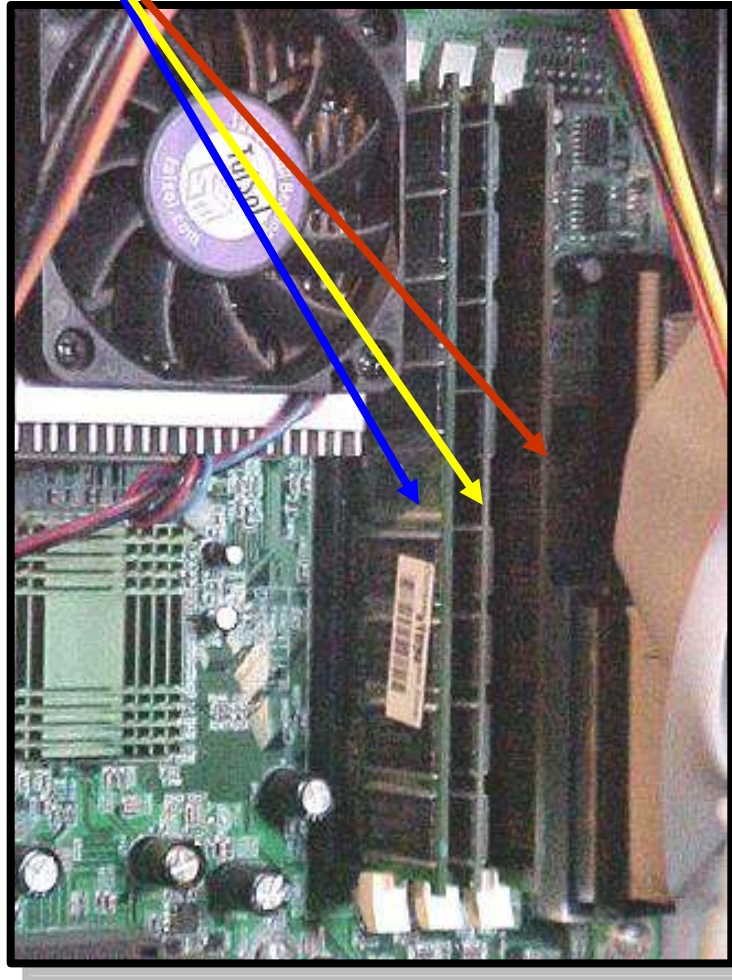
Power Supply



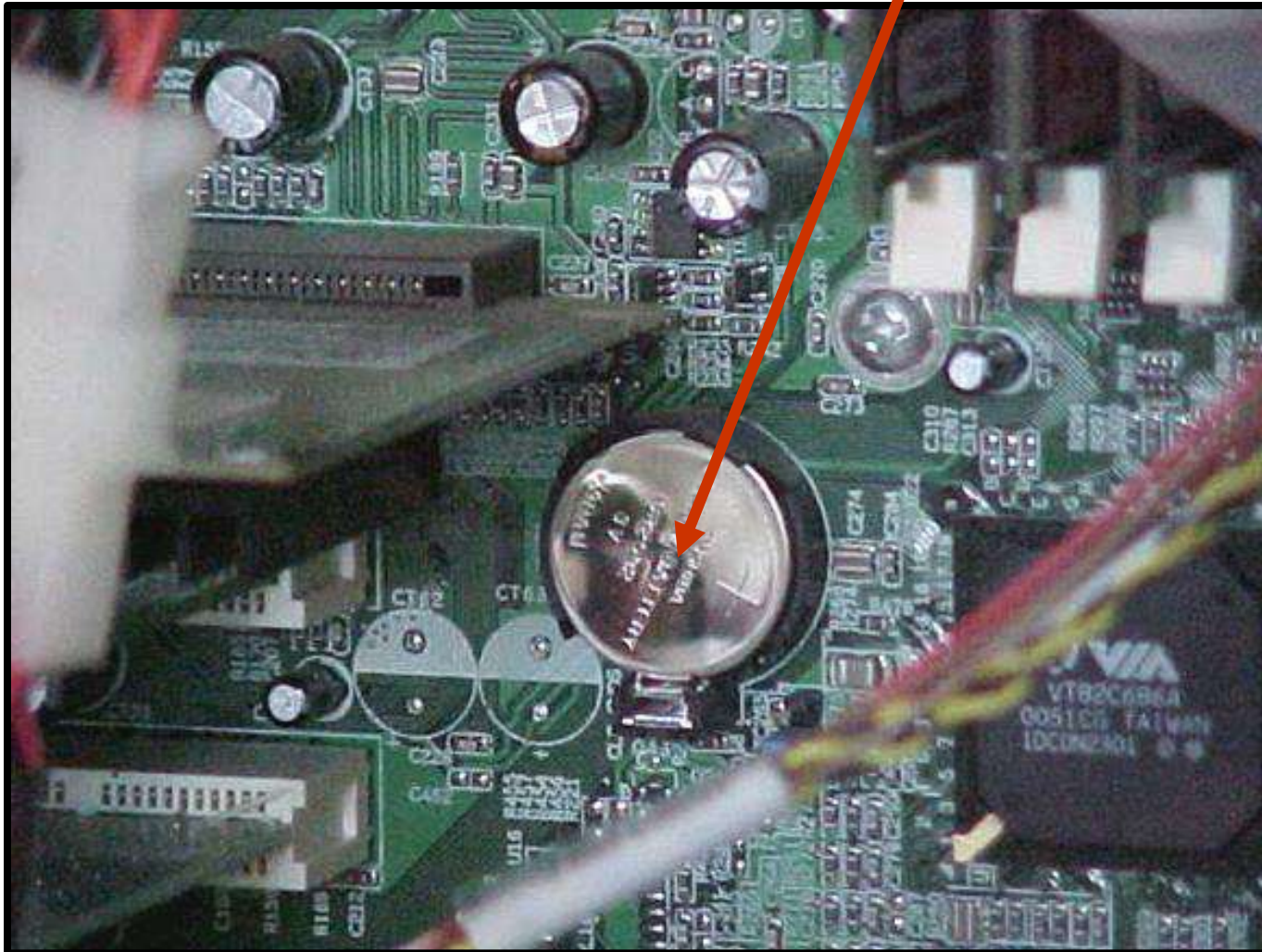
Heat Sink and Fan on CPU



RAM Cards



What is This?



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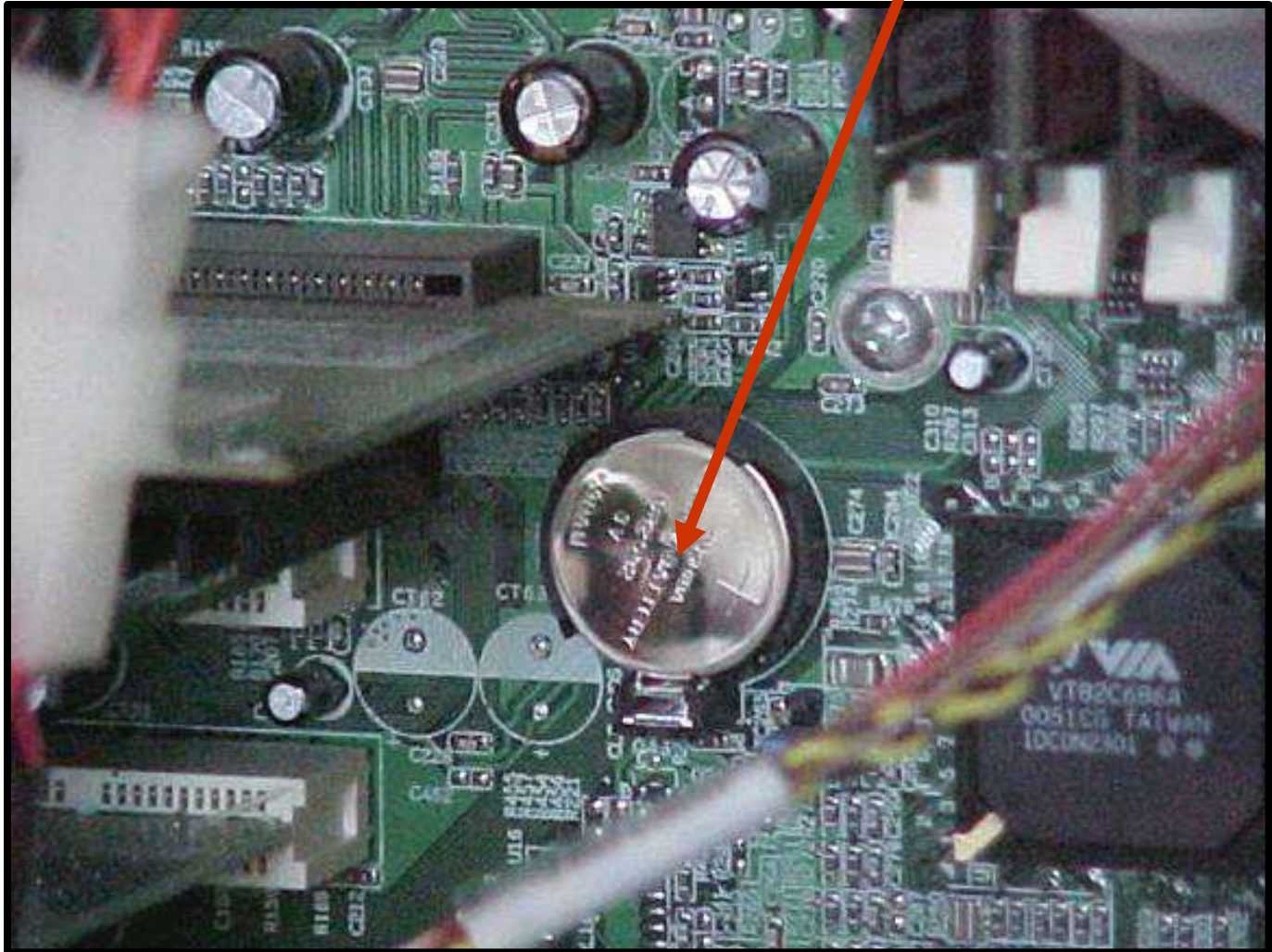
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Battery





warning

Warning



**Static Electricity can
Destroy Computer
Components**