# Hardware

## Function of the CPU

▪ The _____(_____)
is the brain of the computer.
  ▪ consists of the *control* unit and *arithmetic logic* unit.

▪ Data is processed through the instruction cycle
  ▪ .
  ▪ .
  ▪ .
  ▪ .

## Types of Storage Devices.

*Magnetic*
  ▪ .
  ▪ .
  ▪ .

*Optical*
  ▪ .
  ▪ .

*Solid State Storage*
  ▪ .
  ▪ .

## Input Devices

- ▪.
- ▪.
- ▪.
- ▪.
- ▪.
- ▪.

- ▪.
- ▪.
- ▪.
- ▪.
- ▪.
- ▪.

## Video and Audio Output Devices

- ▪ Monitors
  - ◦ CRT (cathode ray tube, uses beams)
  - ◦ LCD/LED (liquid crystal display)
  - ◦ Plasma (electrically charged ionized gas, fluorescent lamps)

- ▪ Video cards

- ▪ Speakers, Headphones, Sound Card

## Printers

**Ink jet**
  - ◦ .

**Photo**
  - ◦ .

**Thermal**
  - ◦ .

**Laser**
  - ◦ .

**All-in-one**
  - ◦ 3 in 1 -
  - ◦ 4 in 1 –

**Plotters**
  - ◦ .

**3-D**
  - ◦ .

## Adaptive Technology.

▪**Adaptive technology**, also called "assistive technology" is used by individuals with disabilities to interact with technology.

◦ includes both hardware and software, and in many cases, everyday input and output devices can be adapted to the user.

◦ *Adaptive input devices*:  trackballs, head wands, mouth sticks, and joysticks.  Voice-recognition software allows a user to verbally control a computer and dictate text.

◦ *Adaptive output devices*:  magnifying the screen, speech synthesis, closed captions, touch surfaces, flashing lights, Braille.